Hi-Fi AV Surround Receiver

DENON

SERVICE MANUAL

MODEL AVR-800

AV SURROUND RECEIVER





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NIPPON COLUMBIA CO., LTD.

(U.S.A. AND CANADA MODELS.) **SPECIFICATIONS**

Audio Section

for North America model

(Power amplifier)

Front (main 2ch driven)

Rated output:

60 W + 60 W (8 ohms, 20 Hz - 20 kHz with 0.08% THD)

(All properties shown are

CENTER (center 1ch driven)

only for the power

60 W (8 ohms, 20 Hz - 20 kHz with 0.08% THD

PHONO (MM): 2.5 mV / 47 kohms

amplifier stage.)

REAR (rear 2ch driven) 15 W + 15 W (8 ohms, 1 kHz with 0.3% THD)

Output terminals:

6 to 16 ohms Front:

Center: 8 to 16 ohms 8 to 16 ohms

Rear:

Line input (Each line input - FRONT SP OUT) Input sensitivity / impedance:

150 mV/47 k ohms

Frequency response:

10 Hz to 50 kHz:

Tone control range:

±3 dB ±10 dB at 100 Hz

BASS: TREBLE ±10 dB at 10 kHz

92 dB (BYPASS) Signal-to-noise ratio

Phono equalizer (PHONO input - REC OUT)

RIAA deviation:

±1 dB (20 Hz to 20 kHz)

Signal-to-noise ratio:

74 dB (A weighting, with 5 mV input)

Rated output / Maximum output: Distortion factor:

150 mV/8 V 0.03% (1 kHz, 1 V)

Tuner Section

[FM] (note: μV at 75 ohms, 0 dBf = 1 \times 10⁻¹⁵ W)

Receiving Range:

 $87.5\,\mathrm{MHz}\sim108.0\,\mathrm{MHz}$ (for North America model) $87.50~\mathrm{MHz} \sim 108.00~\mathrm{MHz}$ (for multi-voltage model)

Usable Sensitivity:

1.0 µV (11.2 dBf)

50 dB Quieting Sensitivity:

1.6 µV (15.3 dBf) MONO 23 µV (38.5 dBf)

Signal to Noise Ratio (IHF-A):

STEREO MONO 80 dB

Total Harmonic Distortion

STEREO 75 dB MONO 0.15%

STEREO 0.3%

(at 1 kHz): [AM]

Receiving Range:

520 kHz ~ 1710 kHz (for North America model)

522 kHZ ~ 1611 kHz (for multi-voltage model) 18 µV

Usable Sensitivity: Signal to Noise Ratio:

50 dB

Video Section

Standard video jacks

Input and output level / impedance:

1 Vp-p/75 ohms 2 Hz to 8 MHz +0, -3 dB

Frequency response:

General Power supply:

AC 120 V, 60 Hz (for North America model)

AC 110/220 V, 50/60 Hz (for multi-voltage model)

Power consumption:

4.0 A (for North America model)

W (for multi-voltage model)

Maximum external dimensions:

434 (W) \times 142 (H) \times 325 (D) mm (17-3/32" \times 5-19/32" \times 12-51/64") 9.1 kg (20 lbs 1 oz)

Weight:

Remote control unit System remote control

RC-169:

Total buttons:

DENON system code

CD player:

6 buttons

36

Cassette deck:

6 buttons

AVR-800 fixed codes:

24 buttons

Batteries:

R6P/AA Type (two batteries)

External dimensions:

55 (W) \times 18 (H) \times 180 (D) mm (2-11/64" \times 45/64" \times 7-3/32")

Weight:

110 g (Approx. 4 oz) (including batteries)

^{*} For purposes of improvement, specifications and design are subject to change without notice.

NAMES OF PARTS Front Panel)

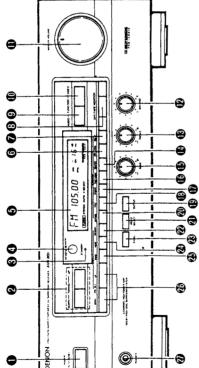
2

BEZEICHNUNG DER TEILE NOMENCLATURE Frontplatte)

OMENCLATURA (Panneau avant)

(Pannello anteriore)

DE OLIKA DELARNAS NAMN NAMEN VAN ONDERDELEN NOMBRE DE LAS PARTES Panel delantero € (Voorpaneel) (Frontpanel)



STANDBY LED REMOTE CONTROL SENSOR FOR ENGLISH READERS POWER BUTTON TUNING BUTTONS

(Multi-function fluorescent display) 3CH. LOGIC MODE BUTTON

DELAY TIME BUTTON
DAT/TAPE MONITOR BUTTON
AUDIO FUNCTION BUTTON
VIDEO FUNCTION BUTTON
MASTER VOLUME **3ALANCE** control TREBLE control

CENTER MODE BUTTON BASS control

DOLBY PHO LOGIC MODE BUTTON STUDIO MODE BUTTON HALL MODE BUTTON OUTPUT BUTTON BYPASS BUTTON VIDEO SELECT BUTTON MEMORY BUTTON

(Tuning Mode Selector Switch) TUNING BAND BUTTON (Tuning Band Selector Switch) TUNER PRESET BUTTONS TUNING MODE BUTTON PANEL BUTTON

PHONES JACK

Bereitschaftsanzeige (STANDBY LED) Abstimmtasten (TUNING) Netztaste (POWER)

3-Kanal Logik Modus-Taste (3CH. LOGIC MODE)
Zeitverzögerungstaste (DELAY TIME)
ELAY Lössettendeck-Überwachungstaste
(DAT/TAPE MOHITOR) Audio-Funktionstaste (AUDIO FUNCTION) Multi-Funktions-Display (MFD) Sensor für Fernbedienung

Video-Funktionstaste (VIDEO FUNCTION) Hauptlautstärke (MASTER VOLUME) Höhen-Steuerung (TREBLE) Mittel-Modus Taste (CENTER MODE) Balance-Steuerung (BALANCE)

Bass-Steuerung (BASS)
Dolby-Pro Logik-Modus Taste (DOLBY PRO LOGIC MODE) Taste für Studio-Modus (STUDIO MODE) Taste für Saal-Modus (HALL MODE)

Abstimmungsmodus-Taste (TUNING MODE) Videoauswahl-Taste (VIDEO SELECT) Speichertaste (MEMORY) (Abstimmungsmodus-Wahlschalter) Ausgangstaste (OUTPUT) Bypass-Taste (BYPASS) Konsolentaste (PANEL)

Tuner-Voreinstellungs-Tasten (TUNER PRESET) Kopfhörerbuchsen (PHONES JACK) Abstimmungsband Tasten (TUNING BAND) (Abstimmungsband-Wahlschalter)

POUR LES LECTEURS FRANCAIS

1 TOUCHE D'ALIMENTATION (FOWER)

2 TOUCHES DE SYNTONISATION (TUNING)

3 TEMOIN DE VEILLE (STANDBY LED)

4 DETECTEUR DE TELECOMMANUS

5 MED (Affichage fluorescent matit-fonction)

5 TOUCHE DE MODE LOGIOUE 3 CANAUX

7 SCH. LOGIC MODE)

6 TOUCHE DE MODE (DOTNIROLE DE BANDE

7 TOUCHE DE FONCTION AUDIO (AUDIO FUNCTION)

6 COmmande d'ACULINE (ELOBAL (MASTER VOLUME)

6 Commande d'ACULINE (TREBLE)

6 COmmande d'ACULINE (TREBLE)

999999999

Commande de graves (BASS)

100UCHE DOLLEY PRO LOGIC MODE

100UCHE DE MODE SALLE (HALL)

100UCHE DE MODE SALLE (HALL)

100UCHE DE DERIVATION (BYPASS)

100UCHE DE DERIVATION (BYPASS)

100UCHE DE MEMOINE (INFRUT)

100UCHE DE MEMOINE (INFRUT)

100UCHE DE PANNEAU (PARIA)

100UCHE DE PANNEAU (PARIA)

100UCHE DE GAMME DE SYNTONISATION (TUNING)

100UCHE DE GAMME DE SYNTONISATION (TUNING) 8

PRISE CASQUE (PHONES)

PER IL LETTORE ITALIANO

1 TASTIO DI ACCENSIONE

1 LED 10 ATTESA

1 END 10 ATTESA

1 END 10 ATTESA

1 ENSORE A DISTANZA

1 TASTO DEL MODO 3CH. LOGIC

1 TASTO DEL MODO 3CH. LOGIC

1 TASTO DEL MODA

1 TASTO DEL MOTA ADEL RITARDO

1 TASTO DI FUNZIONE AUDIO

1 CONTROLLO DEL BILANCIAMENTO

1 CONTROLLO DEL BILANCIAMENTO

DE TASTO DEL MODO CENTRALE
DE CONTROLLO DEL BASSI
DE TASTO DEL MODO DOLBY PRO LOGIC
DE TASTO DEL MODO STUDIO
DE TASTO DEL MODO HALL
DE TASTO DEL SELEZIONE
SELEZIONE VIDEO
DE TASTO DEL MEMORIZZAZIONE
DE TASTO DEL MODO DI SINTONIZZAZIONE
DE TASTO DELLA BANDA DI SINTONIZZAZIONE

© Control de tonos bajos (BASS)
© BOTON SELECTOR DE MODO DOLBY PRO LOGIC
© BOTON SELECTOR DE MODO "HALL"
© BOTON SELECTOR DE MODO "HALL"
© BOTON DE SALIDA
© BOTON VIDCO SELECT
© BOTON VIDCO SELECT
© BOTON DE MAKAGRIA
© BOTON DE MAKAGRIA
© BOTON DE MAKAGRIA
© BOTON DE MAKAGRIA

Interuptor selector de banda de sintonización (TUNING BAND) Interruptor selector de modo de sintonización (TUNING MODE)

(3) **@**

BOTONES DE PRESINTONIZACION CONECTOR PARA AURICULARES

THE STAND SECTION OF THE STANDING SECTION SELECTION DE THE STANDING SELECTION DE THE STANDING SELECTION DE THE STANDING SELECTION DE THE STANDING SELECTION DE STANDING SELECTION SELECTION DE STANDING SELECTION SELECTION SELECTION SELECTION DE STANDING SELECTION SELECTION DE STANDING STANDING SELECTION DE STANDING SELECTION DE STANDING SELECTION DE STANDING STANDING SELECTION DE STANDING ST PARA LECTORES DE ESPAÑOL

D INFERUPTOR DE ALIMENTA

BEDTONES DE SINTONIZACIÓN

ED E MODO DE ESPERA

SENSOR DE CONTROL REMO

BOTON SELECTOR DE MODO

BOTON SELECTOR DE TIENY

BOTON SELECTOR DE TIENY

BOTON SALECTOR DE ENTRA

CHON SALECTOR DE ENTRA

CHON SALECTOR DE ENTRA

CHON SELECTOR DE CONTROL DE VOUC

CHON SELECTOR DE VOUC

CH

MFD (Multifunktionele lichtgevende display)
3 KANAALS LOGIC-STANDTOETS (3 CH. LOGIC MODE)
VERTRAGINGSTIJDTOETS (DELAY TIME)

© DOLBY PRO LOGIC-STANDTOETS
IOOLBY PRO LOGIC MODE!
© CONCENTAALSTANDTOETS (STUDIO MODE)
UTVOCRTOETS (STUDIO MODE)
UTVOCRTOETS (IVENT)
© NEGERITOETS (BYRASS)
© NEGERITOETS (MEMORY)
© GEHELGENTOETS (MEMORY)
© GENERICIES (MEMORY)
© AFSTEMSTANDTOETS (TUNING MODE)

DAT/bandmeeluisterioets (DAT/TAPE MONITOR)
AUDIOFUNKTIETOETS (AUDIO FUNCTION)
VIDEOFUNKTIETOETS (YIDEO FUNCTION)
HOOFDVOLUME (MASTER YOLUME) Hoge tonen-regelaar (TREBLE) MIDDENSTANDTOETS (CENTER MODE) Lage-tonenregelaar (BASS) Balansregelaar (BALANCE) 0000000000000

(Golfband-afstemkeuzeschakelaar) TUNER-VOORKEUZETOETSEN (TUNER PRESET) HOOFDTELEFOONAANSLUITING (PHONES)

(Afstemstand-keuzeschakelaar) GOLFBANDAFSTEMTOETS (TUNING BAND)

Strömbrytare (POWER) Avstämningstangenter (TUNING) Beredskapsindikator (STANDBY)

Fjärrkontrollsensor (REMOTE CONTROL SENSOR)
MFD-display
Tangent for 3-kanalslogik (3CH. LOGIC MODE)
Tangent for reglering av tidsfördröjningen
(DELAY TIME) FÓR SVENSKA LÁSARE

O Stromborytate (POWER

O Beredskapsindiskalor (So

D Fijarkoutolpiskanor (BE

MED-display no (O Paganalsio

Tangan (O Paganalsio

Tangan (O Paganalsio

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DAT-/DACKVALJARE (DAT/TAPE MONITOR) Audiofunktionstangent (AUDIO FUNCTION)
Videofunktionstangent (VIDEO FUNCTION)
Ljudsyrkekonroll (MASTER VOLUME)
Balanskonroll (BALANCE)
Diskantkontroll (TREBLE) 008**0**88

Mittkanalsväljare (CENTER MODE) Baskontroll (BASS) DOLBY PRO LOGIC-tangent STUDIO-tangent HALL-tangent

Avstāmningsomkopplare (TUNING MODE) Frekvenschandväljare (TUNING BAND) Snabbvalstangenter (TUNER PRESET) Hörtursuttag (PHONES) Högtalaromkopplare (OUTPUT)
Förbikopplingstangent (BYPASS)
Videoväljare (VIDEO SELECT)
Minnestangent (MEMORY) PANEL-tangent

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INTRODUZIONE / INTRODUCCIÓN / INLEIDING / INLEDNING 1 INTRODUCTION / EINFÜHRUNG / INTRODUCTION

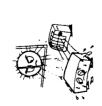
NUR FÜR EUROPÄISCHE MODELLE

Die DENON Electronic GmbH

4030 Ratingen 1 Halskestraße 32

Konformitätserklärung

NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO/NOTAS SOBRE EL USO/ALVORENS TE GEBRUIKEN/OBSERVERA



- ste d'une dispersion de chalcur lors de l'installation sur une
- che ci sia un'adeguata disper-ore quando installate l'unità in di esporre l'unità a temperature
- ficiente dispersión del calor nstalado en la consola.
 - finns möjlighet till god vid montering i ett tack.



Halten Sie das Kabel am Stecker, wenn Sie r la prise lors du débranchement du (For sets with ventilation holes)

per la spina quando scollegate il cave Maneje el cordon de energía con cuidado Sostenga el enchufe cuando desconecte e

Manneggiate il filo di alimentazione

bein varsamt når den kopptas från elseie com cuidado o fio condutor de

entspricht.

Erklärt als Hersteller/Importeur, daß das in dieser Bedienungsanleitung beschriebene Gerät den Technischen Vorschriften für Ton- und Fernseh-Rundfunkempfänger nach der Amtsblattverfügung 868/1989 (Amtsblatt des Bundesministers für Post und Telekommunikation vom 31. 8. 1989)

- as laisser des objets étrangers dans

ilten Sie das Gerät von Feuchtigkeit,

- nde föremål inte tränge:

aat binnendringen. inte apparaten för fukt, vatten och

Mantenha o aparelho livre de qualque umídade, água ou poeira.

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agere Zeit nicht rennen Sie das

- te insektsmedet på sprayb thinner kommer i kontakt r ktenverdelgende midde verdunner met dit appa
- permita que inseticidas, benzina e



PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE CABINET FOR FUTURE REFERENCE" "SERIAL NO.

(EUROPE MODEL) **SPECIFICATIONS**

Audio Section

(Power amplifier)

Front (main 2ch driven)

Rated output:

(8 ohms, 20 Hz - 20 kHz with 0.1% THD) 60 W + 60 W CENTER (center 1ch driven)

(All properties shown are only for the power

(8 ohms, 20 Hz - 20 kHz with 0.1% THD 60 W

amplifier stage.)

REAR (rear 2ch driven) (8 ohms, 1 kHz with 0.5% THD) 15W + 15W

6 to 16 ohms

Center:

Front:

8 to 16 ohms 8 to 16 ohms

Output terminals:

Rear:

Line input (Each line input - FRONT SP OUT) Input sensitivity / impedance:

150 mV/47 k ohms

PHONO (MM): 2.5 mV / 47 kohms ±3 dB

Frequency response:

10 Hz to 50 kHz:

Tone control range:

BASS:

±10 dB at 100 Hz ±10 dB at 10 kHz

TREBLE:

92 dB (BYPASS)

Signal-to-noise ratio Phono equalizer (PHONO input - REC OUT)

RIAA deviation:

±1 dB (20 Hz to 20 kHz)

Signal-to-noise ratio: Rated output / Maximum output: 74 dB (A weighting, with 5 mV input) 150 mV/8 V

Distortion factor:

0.03% (1 kHz, 1 V)

Tuner Section [FM] (note: μV at 75 ohms, 0 dBf = 1 \times 10 15 W)

Receiving Range:

87.50 MHz \sim 108.00 MHz

Usable Sensitivity:

1.0 µV (11.2 dBf)

50 dB Quieting Sensitivity:

1.6 µV (15.3 dBf) MONO

STEREO 23 µV (38.5 dBf) 80 dB MONO

Signal to Noise Ratio (IHF-A):

75 dB **STEREO**

Total Harmonic Distortion

0.4% MONO

(at 1 kHz):

0.5% STEREO

[AM]

Receiving Range:

522 kHZ ~ 1611 kHz

Usable Sensitivity:

18 µV 50 dB

Signal to Noise Ratio:

Video Section

Standard video jacks

1 Vp-p/75 ohms

Input and output level/impedance: Frequency response:

2 Hz to 8 MHz + 0, -3 dB

General

Power supply:

AC 230 V, 50 Hz (for Europe model)

AC 240 V, 50 Hz (for U.K. model)

Power consumption:

Maximum external dimensions:

434 (W) \times 142 (H) \times 325 (D) mm (17-3/32" \times 5-19/32" \times 12-51/64")

Weight:

9.1 kg (20 lbs 1 oz)

Remote control unit System remote control

RC-169:

Total buttons:

36

DENON system code

CD player:

6 buttons

Cassette deck: AVR-800 fixed codes: 6 buttons 24 buttons

Batteries:

R6P/AA Type (two batteries)

External dimensions:

55 (W) \times 18 (H) \times 180 (D) mm (2-11/64" \times 45/64" \times 7-3/32")

Weight:

110 g (Approx. 4 oz) (including batteries)

^{*} For purposes of improvement, specifications and design are subject to change without notice.

14 TROUBLESHOOTING

If a problem should arise, first check the following:

1. Are the connections correct?

2. Have you operated the amplifier according to the Operating Instructions?

3. Are the speakers, turnbale, and other components to operating property?

If the receiver is not operating property, check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase.

Page	. 00	14 17 15 15	4.	14 11~13	12~14	23, 25	2	12		- 12	1,55 6
Measures	Check the insertion of the power cord plug.	Connect securely. Set to a suitable position. Turn valueue pp to suitable level. Switch off MUTING.	Switch power off, connect speakers properly, then switch power back on Turn of the set's power, then ventilate at well to cool it down. John the set is cooled down, turn the power back on.	Connect securely. Connect securely. Adjust balance knob propully.	Check left and right connections.	Sct the rear level to lower level.	Press the DAT/TAPE button to set the source.	Connect securely. Connect securely. Connect securely. Connect securely.	Separate as much as possible. Use cushions to absorb synakur vibrations transmitted by floor if turntable is not equipped with insulators, use audio insulators (commonly available).	Apply proper stylus pressure. Check stylus. Replace cartridge. Replace with MM cartridge or use a head	amplifier or step-up transformer. Replace with new batterers. Move closer. Remove obstacle. Remove obstacle. Press the proper button. Insert batteres properly
Cause	Power cord not plugged in securely	Speaker could not securely connected OUTPUT button is off. Improper position of the audio function button. Volume control set to mainton. MUTING is on.	Speaker terminals are short circuitst Block the ventilation holes of the set The unit is operating at communum high power conditions and/or markequate ven illation.	Incomplete connection of speaker corfis. Incomplete connection of input/output cords. Lett/right balance is off.	Reverse connections of left and right speakers or left and right input/output cords.	Rear level is too high.	DAT/tape monitor mode set.	Ground wire of lutritable not connected properly Incomplete PHONO jack connection TV or radio transmission antentu nearby.	Turntable and speaker systems too close: oggetter. Floor is unstable and vibrates easity.	Stylus prassura too weak. Dust or dirt on stylus. Cartridge defective. MC cartridge being used.	Baltories doad. Remote control unit too lar from receiver. Obstandount cociver and remote control unit Office of the cocine o
Sympton	MFD not fit and sound not produced when power switch set to on.	MFD lit but sound not producerd.	-PROTECT:- display appears multi- function display.	Sound produced only from one channel.	Positions of instruments reversed during sterno playback.	Sound seems distorted.	Personal memory function does not work.	Humming noise produced when re- cord is playing.	Howling naise prottuced when volume is high.	Sound is distorted. Volume is weak.	Recuiver does not operate property when remote control unit is used:
_			SIS	sissobsors.	INH DUE	'590	Jei				hnu

15 LAST FUNCTION MEMORY

This receiver is equipped with a last function memory which stores the input and output sotting conditions as they were immediately
before the power is switched off.
 This function eliminates the need to perform complicated resettings when the power is switched on
 This receiver is also equipped with a back-up memory. This function provides approximately one week of memory storage with the
power cord disconnected.

16 SPECIFICATIONS

fron finant 2ch divinent a model fron florinant 2ch divinent 3ch divin	JUT) 14 d8 (204 z to 20 kHz) 14 d8 (A weighting, with 5 mV input) 150 mV/8 V 0.03% (1 kHz, 1 V)	7.10°16 WJ 87.5 MHz. ~ 108.0 MHz (for North America model) 87.50 MHz. ~ 108.00 MHz (for multi-vollage model) 87.50 MHz. ~ 108.00 MHz (for multi-vollage model) MONO 1.6 µV.11.2 Edil 87EREO 23 µV.138.5 GB1) 87EREO 73 µV.138.5 GB1 87EREO 75 GB 87EREO 9.3% 87EREO 0.3%	650 kHz ~ 1710 kHz (for North America model) 820 kHz ~ 1611 kHz (for multi-vollage model) 18 µV ~ 50 d8	hms 12 - 0, –3 dB	AC 120 V, 60 Hz (for North America model) AC 110/220 V, 50/80 Hz (for multi-voltage model) AO A (for North America model) W (for multi-voltage model) A32 A (W (sor multi-voltage model) B434 (W) x 145 (H) x 325 (D) mm (17.3/32" x 5.19/32" x 12.51/64")	Approx. 4 6 Approx. 4 6
for North America mod front intain 2ch driven) 60 W+ 60 W (8 of 18 60 W+ 16 W (8 of 18 60 W+ 16 W (8 of 18 60 W+ 15 W (8 of 18 15 W+ 15 W (8 of 18 15 Font: 6 to 16 ohms 75 Center: 8 to 16 ohms 8 out 18 to 16 ohms 19 Ut 18 Of 18 Of 18 19 Out 18 Of 18 Of 18 Of 18 19 Out 18 Of	0U1) ±1 dB (20 Hz to 20 kHz) 74 dB (A weighting, wit 150 mV/8 V 0.03% (1 kHz, 1 V)	× 10 ⁻¹⁵ W) 87.5 MHz ~ 108. 87.50 MHz ~ 108. 1.0 μV (11.2 dBl) MONO 1.6 μV STEREO 23 μV STEREO 23 μV MONO 0.159. MONO 0.159.	$520 \text{ kHz} \sim 17$ $522 \text{ kHZ} \sim 16$ $18 \mu \text{V}$ 50 dB	1 Vp-p/75 ohms 2 Hz to 8 MHz 10, –3 dB	AC 120 V, 60 Hz (fo AC 110/220 V, 50/i 4.0 A (for North An W (for multi-vc 34 (W) × 142 (H) × 9.1 kg (20 lbs 1 oz)	Total buttons: DENON system code CD player: Cassette deck: AVR-800 fixed coc strens: External dimensions: Weight:
A dudio Section Rated output: Rated output: Rated output: CENTF CONTY (All properties shown are CONTY CONTY (All properties shown are CONTY (All properties shown are CONTY (All properties shown are CONTY (CONTY TOUR CONTY TOUR CONTY Read: Line input (Each line input –FRONT SP OUT) Frequency response: The CONTY THE C	Phono equaliter (PHONO input – REG OUT) RIAA deviation: Signal-to-noise ratio: Add Rated output / Maximum output: Distortion factor: 0.03	Tuner Section (FM) Innote: UV at 75 ohms, 0 d8f = 1 × 10 ⁻¹⁹ WJ Receving Range: 87 5 MHz - 87 5 MHz Usable Sensitivity: 10 uV VI	Receiving Range: Receiving Range: Usable Sensitivity: Signal to Noise Ratio:	Video Section Standard video jacks input and output level / impedance: Frequency response:	General Power supply: Power consumption: Maximum external dimensions: Weight:	Remote control unit System remote control RC-169:

^{*} For purposes of improvement, specifications and design are subject to change without notice.

■ Using the Personal Memory

Surround mode settings and the input function can be stored at personal memory buttons "1" and "2", then recalled directly from any surround mode simply by pressing button "1" or "2".

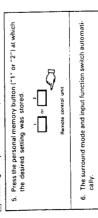
2. Press the personal memory button. Remore council unit (The memory setting mode is set and the indicator on the MFD (lashes.) 3. Press the desired personal memory button ("1" or "2").

O [F: 10500 2:41] 000

> 0 ø

• The memory setting mode is set for 6 seconds. If any button other than personal memory button "1" or "2" is pressed, the memory setting mode is cancelled.

2 Recalling the personal memory



- •• Personal memory buttons "1" and "2" will not function during the tape mondior mode.
 •• The surround mode receibled with the PESCONAL MERORY "1" or "2" button is the same as the mode selected with the face of the surround mode button. Thus, if the parameters of the surround mode which was stored in the memory are cleared, when the mode is recalled
 - it is set to the initial values.

 Upon shipment from the Factory, he "DOLBY PRO LOGIC" mode is stored at personal memory "1", the "HALL" mode at personal memory "2". The input function is set to VDP/10BS for both "1" and "2".

 Do not press personal memory buttons "1" or "2" buttons during recording on the cassette deck.

■ Operations Possible in the Various Surround Modes

The following is a list of the buttons and functions which can be operated during the different surround modes. Figures in parentheses indicate adjustment ranges.

		OUTPUT	OUTPUT CENTER LEVEL	REAR LEVEL	CENTER	75 03 50 03	TEST	DELAY TIME
RYPASS		0	×	×	.⊲	×	×	×
	NORMAL.	0	O (0~-24dB)	O (024dB)	0	0	0	O (15~30ms)
DOLLAY PRO LOGIC	PHANTOM	0	×	O (0~-24dB)	0	×	0	O (15~30ms)
	WIDE	С	O (0~-24dB)	O (0~-24d8)	0	0	0	O (15~30ms)
	NORMAL	0	O (0~-24dB)	×	0	0	0	×
DOLBY 3CH LOGIC	WIDE	0	O (0~-24dB)	×	0	0	0	×
НАГІ		0	×	O (0~-24dB)	. 4	×	×	O (0~33ms)
CTIO		0	×	O (0~-24dB)	- q	×	×	O (0~33ms)
					ö	Operation pos	sible X: Ope	O: Operation possible X: Operation not possible

Switches to the Dolby Pro 13CH Logic for any modes other than Dolby Pro (3CH) Logic. The bused of the context and care channels can be adjusted by 2 d8 step. The dealy unic can be set by 1.5 ms step.

The sound may be distorted for some sources if the rear level is raised during surround playback.
 If this happens, lower the rear level.

13 INITIALIZATION OF THE MICROPROCESSOR

When the indication of the MFD display is not normal or when the operation of the unit does not shows the reasonable result, the initialization of the microprocessor is required by the following

3,5

procedure.

1. Switch off the unit and remove the AC power cord from the.

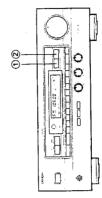
but outlet. Hold the following 2 buttons of the main unit at the same time (as illustrated in the diagram below. ⑤ AUDIO FUNCTION button) Or VIDEO FUNCTION button) and plug the power cord into the outlet.

3. Check that the entire MFO display is flashing with an interval of about 1 second, and release your dingest from the 2 buttons.
4. Switch on the unit and the microprocessor will be initialized. The input function is set to tuner with the bypass mode automatically.

NOTE:

• When the unit does not show the result of above 3 not 4, repeat the procedure from 1 again.

• When the microprocessor is initialized, all settings you have made are reset to the factory presettings.



Initial parameter values for the different modes

	DUTPUT	CENTER	REAR	CENTER	3CH LOGIC	DELAY
BYPASS	NO	1	1	ı	1	1
DOLBY PRO LOGIC	ő	-12dB	-12dB	NORMAL	OFF	21msec
HALL	S	1	-12dB	1	1	21msec
srubio	NO	ı	-12dB	1	Į	21msec

TUNER Ξ NPUT FUNCTION : 1
 Reception band : F
 Reception mode : A
 Reception frequency : 8

AUTO 87.5MHz (for North American models) 87.50MHz (for multi-voltage models)

INPUT : VDP/DBS
SUBROUND MODE : DOLBY PROLOGIC
PERSONAL MEMORY 2 : VDP/DBS PERSONAL MEMORY 1

VDP/DBS HALL SURROUND MODE

Setting the delay time

→ Continued

To obtain the maximum surround effect, use the test tones to adjust the volume and balance of the speakers for the best balance for the listening position and so that the sound from all the speakers is heard at the same level. Set the master volume control to a suitable level, then adjust using the following procedure.

Speaker volume adjustment and Dolby Pro Logic mode

3. To decrease the level of the center speakers.

TOWE Remote control unit

1. Press the T.TONE button

4. To increase the level of the rear speakers.

Test tones are produced from the speakers in the order shown below, at 4 second intervals for the first two cycles, 2 second intervals after that.

→ [I] → □ □ → FR → □

5. To decrease the level of the rear speakers.

For the Dolby 3CH Logic mode:

FL → FL → FR -

To increase the level of the center speakers.

Ξ 12.0 10.5

Distance from the front speakers to the listening position

9.0

7.5

15 3.0 4.5

Remote control unil

6. Press the T.TONE button again.

The test tone will not move on to the next channel when it is being emitted from the center channel and the level of the center speakers is being adjusted, or when it is being emitted from the rear channel and the level of the rear speakers is being adjusted. It only moves on to the next channel approximately two seconds after the level key has been refeased.

■ Other Surround Modes

HALL mode/STUDIO mode

The optimum delay time will differ depending on the listening position. Referring to the chart art fight, set the optimum delay time for your room's space and seating position. For example when the distance from the front speakers to the fistening position is 6 m and that from the rear speakers to the fistening position is 6 m and that from the rear speakers to the fistening position is 4 m, the optimum delay time will be 21 ms. The variable range of the delay time differs depending on the

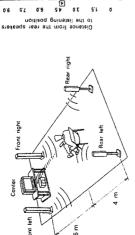
Listening position and optimum delay time for playback with Dolby Pro Logic surround

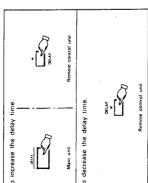
(ms)

mode. For details about the variable range, see Page 25. Front left 🖺

O Suitable
A Possible
X Impossible

[m] 0.Sr 5.01



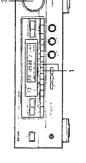


To decrease the delay time. 1. To increase the delay tim 2

9

O

Φ 1. Set the HALL mode/STUDIO made.



DOLBY PRO LOGIC

2. Play the desired software.

3. Adjust the volume.

STUDIO

Remate control unit

 Adjust the level of the center and rear channels. Adjust the levels according to the source, using the Dolby Pro Logic settings as reference. Main unit

Ę.

5. Adjust the delay time as desired.

23

Once the delay time is set, there is no need to readjust it unless you change the speaker system or the listening position.
 It is available to memorize the adjusted values of delay time and rear (center) level for each surround mode.

♣ Continued

12 SURROUND PLAYBACK

■ SURROUND modes

The surround modes are as follows:

l		h	
	-	Dalby Pro Logic	Use this when playing program sources recorded in Dolby Surround or Dolby stereo.
L	2	HALL	Use this sorting to create the atmosphere of a concert hall. There will be no output from the center speaker.
	3	STUDIO	Use this setting to create the atmosphere of watching a live program in a studio. There will be no output from the center speaker.

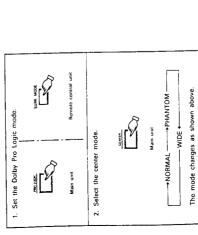
- These effects may not be very pronounced for some sources.
 To adjust the speaker balance for the different surround modes, first adjust for the Dolby Pro Logic Surround mode as explained on page 22, then use the position of the center level and rear level controls at this time as a guide to adjust the balance for that surround mode.

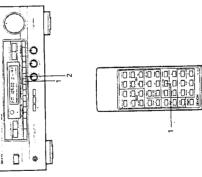
Manufactured under ticense from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. number 3.959,590: Canadian numbers 1,004,603 and 1,037,877. Ediby., "For Logic," and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

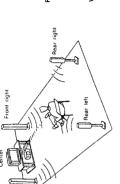


- Using Dolby Pro Logic Surround
- Speaker disposition and the Dolby Pro Logic Center mode

Ideally, center speakers should be used when playing sources in Dolby Pro Logic Surround. Select the center mode according to your speaker system.

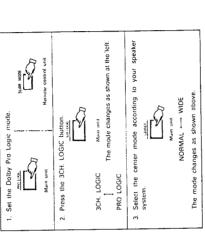




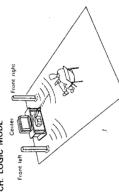


• Dolby 3CH. Logic (three-channel logic mode)

Setect this made when not using rear speakers.



3CH. LOGIC MODE



3CH. LOGIC mode

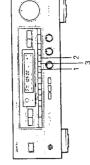
Use this mode when rear channel speakers are not used. The rear channel information is reproduced by the front speakers.

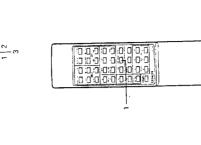
Center Mode

This mode is suited for an arrangement in which the center channed speaker is smaller than the left and right speakers. Signals below 100 Hz which have almost no effect on directional orientation are distributed to the left and right channels, whereas the center channel output signals greater than 100 Hz. As a result, the base of the field and right channels increases the apparent deepness of the sound.

Use this mode when center channel speaker is not used. A directional emphasis circuit provides signal reproduction which is electricially oriented to the center and this provides an exciting sound field for your enjoyment. HANTOM mode

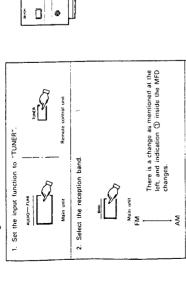
wIDE mode. This mode is suited for an arrangement in which the center This mode is suited for an arrangement in which and right channel speaker is of the same grade as the left and right speakers. The entire sound band from low region to high is output to the center channel to provide an exciting sound field for your enjoyment.











AIVI	3. Select the tuning mode.	Main unit AUTO	The mode switches as shown at the left. When the auto mode is set, "AUTO" lights on the MFD @.	MANUAL	
	က				

Set the auto mode for automatic tuning, the manual mode for manual tuning. 4. Tune in the station.

Main unit

9/ H OUT DOUBT SUPPOUND

kHz MHz

105.00

∑_ |_|_

MFD display

Θ

TUNED STERED AUTO V.SELECT

@

In the manual luning mode:
Press the Ub button once to increase the frequency by
one step, the DOWN button once to decrease the
frequency by one step.
The frequency changes continuously when the buttons are held in.
The "TUNED" indicator @ lights on the MFD when a

station is turned in the MFD when a station is turned in the auto turning mode:
When the UP or DOWN button is pressed, automatic searching begins, and searching stops when a station is turned in.

NOTES:

• When in the auto tuning mode on the FM band, the "STEREO" indicator @ lights on the MFD when a sterco broadcast is tuned in. At open frequencies, the noise is mused and the "TUNED" @ and "STEREO" @ indicators turn off.

• When he manual tuning mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator @ turns off.

000 0

The "CH" (Sindicator on the MFD flashes.

1. Follow steps 1 to 4 under "Tuning" to tune in a station.

2. Press the MEMORY button.

3. Select the preset channels

000

■ Storing stations at the preset buttons

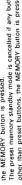
NOTES

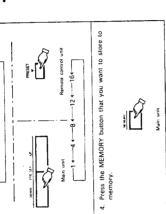
Remote control unit

Main unit

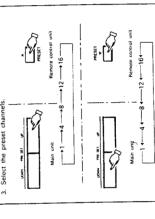
16-1

The preset memory standby mode is set for 10 seconds when the MEMORY button is preset memory standby mode is cancelled if any button of the preset memory standby mode is cancelled if any button other than preset buttons, the MEMORY button is pressed





First store stations at the preset buttons using the above procedure. ■ Recalling stations with the preset buttons



3. Select the preset channels

O

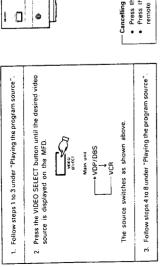
Use this function to switch between the DAT or tape deck and the input (source) selected with the audio or video function buttons.

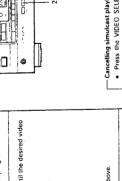
9 TAPE MONITOR FUNCTION ■ When playing a DAT or tape deck "Playing the program

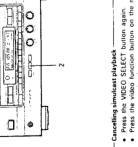
1. Follow steps 1 and 2 under source."

2. Select the deck to be played.













switches as shown at the

The

DAT/TAPE

teft

SOURCE



This function can only be set from the remote control unit.

MOTING MOTING

■ Using the muting function
Use this to turn off the audio output temporarily.

1. Press the MUTING button.

■ Monitoring the recording on a three-headed tape deck

3. Follow steps 5 to 8 under "Playing the program source"

The sound actually being recorded can be monitored during recording when a three-headed tape deck is used.

1. Select the deck to be monitored.

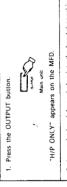
1,2-

The STANDBY LED flashes when the muting function is set.

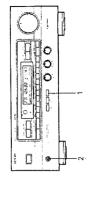
Press the MUTING button again. The muting function is cancelled.

10 USING HEADPHONES

The sound from the speakers can be turned off using the OUTPUT button to listen to the sound over the headphones only, for example at night.



The recording source switches if the audio function, video function, personal memory "1" or "2" or tuner present buttons are pressed during recording. Do not press these buttons during recording.



NOTE: .

• Also refer to the three-headed tape deck's operating instructions.

Start recording on the lape deck. For instructions, refer to the component's operating instructions. 4. Press the three-headed tape deck's source/tape button to monitor the recording.

2. Follow steps 1 to 3 under "Playing the program source"

The source switches as shown at the

left.

SOURCE

DAT/TAPE

Main unit

2. Insert the headphones' plug into the headphones' jack.

Either press the OUTPUT button again or press the POWER button to turn off the power. Cancelling

Simultaneous recording

Start recording on the tape or video deck. For instructions, refer to the component's operating instructions.

2

1. Follow steps 1 to 3 under "Playing the program source"

(recording the source currently being monitored)

■ Recording the program source

8 RECORDING

The signals of the source selected with the function selector button are output simultaneously to the DAT/TAPE and VCR REC OUT jacks. If a total of two tape and/or video decks are connected and set to the recording mode, the same source can be recorded simultaneously on both decks. Is simultaneously on both decks. In the TAPE MONITOR (DAT/TAPE) button is pressed, the audio signals from the tape deck are output to the VCR AUDIO REC OUT jacks.

The sound may be interrupted if switches are operated during playback. This is because the muting circuit is activated to prevent switching noise.

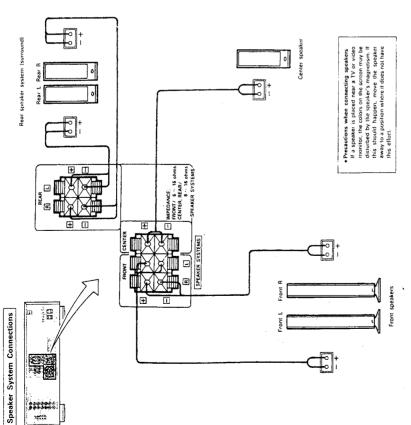
Turn the control clock-wise to increase the treble, counterctock-wise to decrease it.

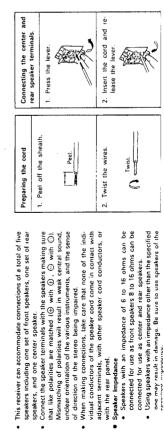
Turn the control clock wise to increase the bass, counterclock-

wise to decrease it.

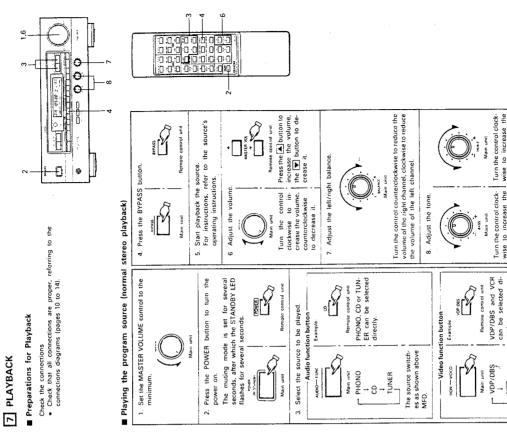
The source switches as shown above MFD.

NOTE: -

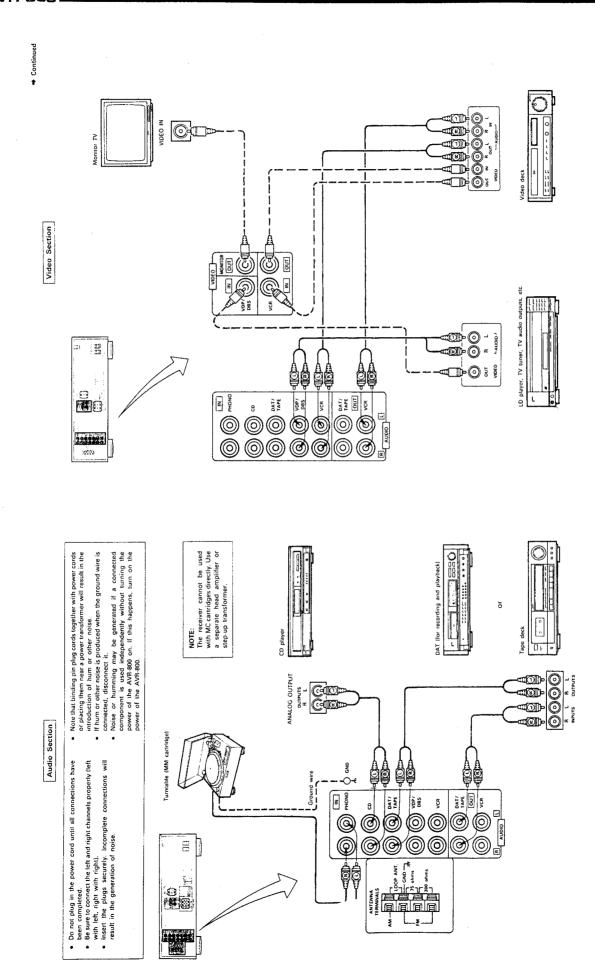




of direction of the stereo being impaired.



♣ Continued

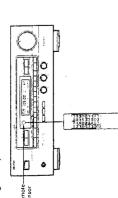


7

5 REMOTE CONTROL UNIT

Following the procedure outlined below, insert the batteries before using the remote control unit.

Range of operation of the remote control unit



Point the remote control unit at the remote control sensor as shown on the diagram at the left.

NOTES

- The remote control unit can be used from a straight distance of approximately. Thereis, but it his distance will shorten or operation will become difficult if there are obstacles between the remote control unit and the remote control sensor, if the
- remote control sensor is exposed to direct sunlight or other strong light, or if operated from an angle. Then signs or other devices emitting pulse-type noise nearby may result in mallunction, so keep the set as far away from such devices as possible.

Open the bottom cover of the remote control unit and remove the battery cover.

■ Inserting the batteries

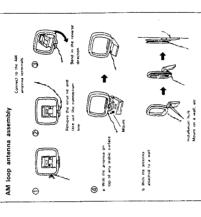
- NOTES

 Use only R6P, AA, UM:3 batteries for replacement
 Be sure the polarities are correct. (See the illustration inside
 the battery compariment.)
 Remove the batteries if the remote control transmitter will not
 be used for an extended portion of time. If batteries leak, dispose of them immediately. Avoid touching the leaked material or letting it come in contact with clothing. etc. Clean the battery compartment thoroughly before install-

6 CONNECTIONS

♣ Continued

Connecting the antenna terminals



the wall or ceiting where optimize the source of the wall or ceiting where optimize the source of the wall or ceiting where optimize the ceiting where optimize the ensure stable reception, due to environment changes. In such crease, the RM Type anemna should only be used temporatily unit an outdoor PM amena has been installed. When connecting the outdoor PM anemna, the use of Ye of the control of the stable (3C-2V) is strongly recommended. Using 300-0Pm feeder cable will cause noise and you will not be able to active the high sound quality the built-in tuner is capable of

Assemble the included AM loop antenna as shown in the diagram, then place it in a postsion where reception is good. In some cases reception is better if ne polarities are inverted. AM broadcasts will not be

AM ANTENNA

respondings or with the loop antenna is not connected or if it is connected well if the loop antenna even when using an outdoor Attach the loop antenna even when using an outdoor AdM antenna.

Adjust the loop antenna to obtain optimum reception. Where broadcast stations are distant and only

The supplied T-type indoor FM antenna (300 ohrns) can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on

ANTENNA INSTALLATION

turn, writter thousants a study as a postant with writter thousant and the blocked, it is best for missal on undefor AM antenna NOTES.

• This receiver has a full back-up system. When the power is turned on, the IMPUT SELECTOR bustons are set to the last mode set before the power was turned off.

• When using this receiver in close proprietty to video equipment (TV, VCR, VDP, etc.), noise may be generated in AM broadcasts. To avoid his, keep the generated in AM broadcasts. To avoid his, keep the possible. If the noise is not reduced, turn off the power of the video components at AM inoutcasts.

0 0 **© @** 0

0 (O) DAT/ TAPE

MA

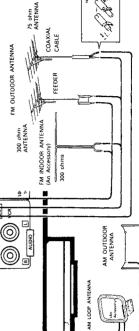
(a)

ohms

Note to CATY system installer.

This reminder is provided to call the CATY system installer's attention to Anticle 820-40 of the NEC which provides guildiners to Propure groundings and in perincialer, specifies that the cathle ground shall be connected to the grounding system of the building, as does to the point of seale entity as practical.

0

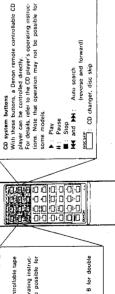


ing new batteries. When replacing the batteries, always replace both batteries with new ones.

Insert the two R6P/AA batteries, matching the \oplus and \ominus marks on the batteries with those in the case. Close the bottom cover until it clicks shut.

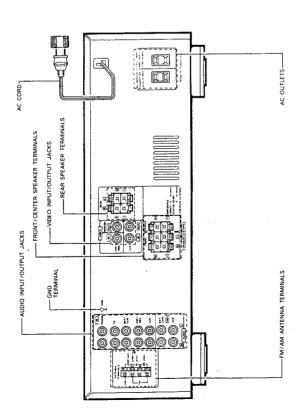
■ System codes
The system codes for Denon tape decks and CD players are set in this remote control unit.





9

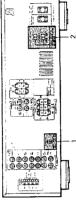
4 NAMES OF PARTS - 2 (Rear Panel)



- Always turn off the power of the various components when making connections. Also refer to the operating instructions for the other
 - components.

 Do not plug in the power cord until all connections are completed.

■ MULTI-VOLTAGE MODEL ONLY Make the following settings before connecting the components.



1. Setting the frequency step

Set the FREQUENCY STEP switch as described below.

• In the U.S.A. and Canada – set the switch to 100 kHz / 10 kHz side.

side.
With this setting, the frequency varies in 100 kHz steps in the range of 87.5 to 108.0 MHz [FM] and in 10 kHz steps in 520 to 1710 kHz (AM).

Eisewhere set the switch to 50 kHz / 9 kHz side.
With this setting, the frequency varies in 50 kHz steps in the
range of 87.50 to 108.0 MHz (FM) and in 9 kHz steps in 522 to
1611 kHz (AM).

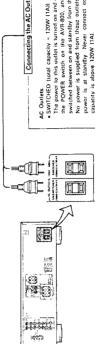
plugged. Plug in the power cord securely after switching the Only switch the frequency when the power cord is un-

2. Setting the line voltage

The customer can set the VOLTAGE SELECTORS on the back panel for appropriate line voltage by using a screwdriver.
 Du not use excessive force in setting the VOLTAGE SELECTOR KNOB — you may damage it.
 if the VOLTAGE SELECTOR KNOB does not turn smoothly, contact your store of purchase.
 Be sure to set both voltage selectors to same position.

AC OUTLETS

CAUTION ADJUST THE BOTH SCLECTORS TO THE



Connecting the AC Outlets

Only use the AC outlets for audio equipment. Never use them for hair driers, TVs or other electrical appliances.

The power in this undies is unaded on and din conjunction with the POWER service in the APR80, and when the power is switched between on and standby from the emige carried unit. No power is supplied from these outsits when the AVR 800's power is at standby Never connect equipment whose total cupacity is above 2000 (15).

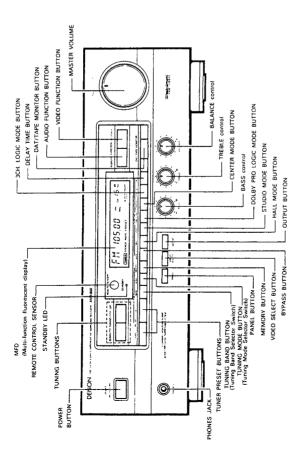
**UNSWITCHED from capacity – 2400V (2A).

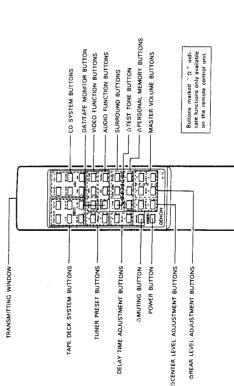
Power is supplied from the outlet contently, regardess of whether or not the AVR-800's power is on. Never connect equipment whose total capacity is above 240W (2A).

ω

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2 NAMES OF PARTS – 1 (Front Panel and Remote Control Unit)

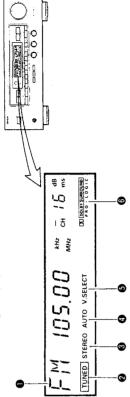




3 MULTI FUNCTION DISPLAY (MFD)

The MFD indicates the operating modes when operations are performed and when PANEL button is pressed.

■ FLD (Fluorescent Light Display)



MULTI FUNCTION DISPLAY

Normally the reception frequency is displayed when the function is set to tuner, and the surround mode is displayed when the function is set to other positions. The display also indicates various other information according to the buttons

TUNED (TUNED indicator)
This indicator lights when broadcast signals are received.

The STEREO indicator will automatically light up when a STEREO (Stereo Indicator)

stereo broadcast is received.

■ To check the settings of the different modes

button in or press it repe-atedly to display the set-tings for the different Either hold the PANEL 1. Press the PANEL button. Main unit

■ FLD OFF

The FLD display changes continuously and finally luns off. Now when a button is pressed, the related display appears for a few seconds then turns off automatically.

AUTO TUNING (AUTO TUNING Indicator)This indicator lights when the auto tuning mode is selected by pressing the TUNING MODE button. U. SELECT (VIDEO SELECT Indicator)

This indicator lights when the video monitor output is fixed in the video select mode.

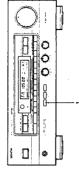
DOLBY SURROUND Indicator
This indicator lights when DOLBY PRO LOGIC, 3CH, LOGIC are selected.

Turning the FLD off.

1. Press and hold in the PANEL button.

2. Turning the FLD back on.

Press the PANEL button once again.



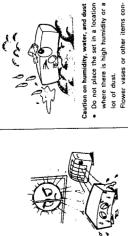
We greatly appreciate your purchase of the AVR-800.
The AVR-800 has to offer, read these instructions carefully and use the set properly. Be sure to keep this manual for future reference should any questions or problems arise.

Check that the following parts are included in addition to the main unit:

ACCESSORIES

@ R6P/AA batteries 2 ⑤ AM loop antenna

NOTE ON USE



careful of high temperatures

- Do not place the set in a location where it will be exposed to direct sunlight or near a heating ap-
 - Avoid installing the set in a closed-Caution on rack/cabinet installation
- When installing in a rack or cabinet, provide a sufficiently large ventilation opening to promote heat radiation. type rack.



Care of the case

vents since they may cause a change in quality or color. Use a soft cloth when wiping away dirt and follow the instructions carefully when using chemically treated Avoid the use of pesticides near the set as well as wiping the case with benzine, thinner or other sol-



Do not allow foreign matter into the Be especially careful of needles,

hair pins, and coins getting into the

Care with the power cord



When removing the plug from the receptacle, do not pull the power cord; be sure to hold the plug



Do not open the case

tom plate of the case and inserting If some trouble arises with the Opening the top cover or the botyour hand is dangerous. Do not open the case.

taining water should not be placed

on top of the set.

performance of the set, remove the power plug soon and contact the store where the set was purchased or a nearby dealer.

Using this receiver or other electronic equipment containing microprocessors similarhaeously with a tuner or TV may result in noise in the sound or picture.

If this should happen, take the following steps:

In specially receiver's age as as possible from the tuner or TV set.

This problem is respecially frequent when using indoor annernance or 300 ohm feeder lines, We recommend using outdoor nas or 300 ohm feeder lines.

antennas and 75 ohm coaxial cables.

INSTALLATION PRECAUTIONS



During your absence

When not using the set for an extended period such as when taking a trip, be sure to disconnect the plug from the receptacle.



For sets with ventilation holes

Do not block the ventilation holes of the set

Blocking of the ventilation holes

 The ventilation holes are very important for heat radiation from within the set. Care must be taken will lead to damage of the set.

since placing an object against the holes will result in an extreme rise

of temperature within the set.

1 (6) FM indoor antenna 1

	CD Playor	10 cm or greater	AVR.800 (This receiver)	
A note on stacking				

For cooling purposes, do not place another AV component directly on top of the receiver. Be sure to leave a space of at least 10 cm.

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SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



DO NOT REMOVE COVER (OR BACK). NO USER SERVICE-ABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, SERVICE PERSONNEL.



is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. WARNING:

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLA-RIZE) PLUG WITH AR EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY IN-SERTED TO PREVENT BLADE EXPOSURE.

ATTENTION

POUR PREVENIE LES CHOCS ELECTROLOES DE PAS UTILISER CETTE FICHE POLANISEE AVEC UN PROLONIGATEUR UNE RRISE DE COLDIANT OU UNE AUTRE SORTIE DE COURANT. SAUFS ILES LAMBE PEUVENT ETRE INSEREZA FOND SANS EIN LAISSER AUCUNE PARITE A DECOUVERT.

SAFETY INSTRUCTIONS

- Read Instructions All the safety and operating instructions should be read before the appliance is
- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
- Follow Instructions All operating and use instructions should be followed.
- Water and Moisture The appliance should not be used near water for example, near a bathub, used near washowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- .. An appliance and cart combination should be moved with care. Quick stops, excessive ΘĄ.



Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

18

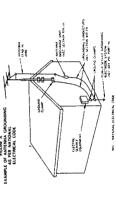
- Ventilation The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the ap-0
- Grounding or Polarization Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Ξ

Power-Cord Protection -- Power-supply cords should be couled so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, converience receptacles, and the point where they exit from the appliance. 12.

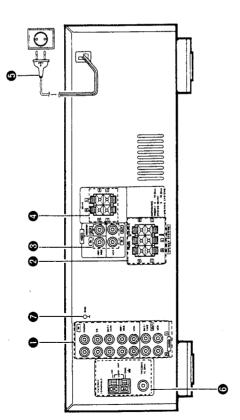
- Cleaning The appliance should be cleaned only as recommended by the manufacturer. 4
- Power Lines An outdoor antenna should be located away from power lines. 5.
- tion against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to ture, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, loca-tion of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A. is connected to the receiver, be sure the antenna system is grounded so as to provide some protecproper grounding of the mast and supporting struc-Outdoor Antenna Grounding - If an outside antenna 16.
- Nonuse Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

- Object and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into Damage Requiring Service - The appliance should the enclosure through openings. 19.
 - A. The power-supply cord or the plug has been be serviced by qualified service personnel when:
- B. Objects have fallen, or liquid has been spilled into the appliance; or
 - D. The appliance does not appear to operate normal-C. The appliance has been exposed to rain; or
- E. The appliance has been dropped, or the enclosure ly or exhibits a marked change in performance; or
- Servicing The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel. 20.



(Pannello posteriore) Panneau arrière) (Rear Panel) (Rückseite)

(Panel trasero) (Achterpaneel) (Bakpanelen)



FÜR DEUTSCHE LESER

◆ Audio Eingangs-/Ausgangs-Buchsen (AUDIO INPUT/OUTPUT) 0

Lautsprecheranschlüsse für Vorne und Mitte (FRONT/CENTER SPEAKER)

۵

AUDIO INPUTTOUTPUT JACKS FRONT/CENTER SPEAKER TERMINALS VIDEO INPUT/OUTPUT JACKS REAR SPEAKER TERMINALS

-000000

FOR ENGLISH READERS

AC CORD FM/AM ANTENNA TERMINALS GND (Grounding terminal)

99

Video Eingangs-/Ausgangs-Buchsen (VIDEO INPUT/OUTPUT)

Anschlüsse für Hecklautsprecher (REAR SPEAKER) Netzkabel 0

UKW/MW-Antennenanschlüsse (FM/AM ANTENNA) GND (Masseanschluß)

POUR LES LECTEURS FRANCAIS

PRISES D'ENTREE/SORTIE AUDIO

(AUDIO INPUTIOUTPUT)

BORNES DENCEINE AVANT/CENTRALE (FRONT/CENTER SPEAKER)

PRISES D'ENTREE/SORTIE VIDEO

(VIDEO INPUT/OUTPUT)

(REAR SPEAKER)
CORDON SECTEUR
BORNES D'ANTENNE FM/AM
(FM/AM ANTENNA)
GND (Borne de mise à la masse)

@ 0

BORNES D'ENCEINTE ARRIERE

0

ANTERIORI/ PRESE DI INGRESSO/USCITA AUDIO TERMINALI DEGLI ALTOPARLANTI PER IL LETTORE ITALIANO
PRESE DI INGRESSO/US
PRESE DI INGRESSO/US
PRERMINALI DEGLI AI

TERMINALI DEGLI ALTOPARLANTI POSTERIORI CAVO CA TERMINALI DELL'ANTENNA FM/AM

GND (Terminale di massa)

0000

O PRESE DI INGRESSO/USCITA VIDEO CENTRAL

PARA LECTORES DE ESPAÑOL ① CONECTORES DE ENTRADA/SALIDA DE AUDIO ② TERMINALES DE ALTAVOCES DELANTEROS/

O CONECTORES DE ENTRADA/SALIDA DE VIDEO VOOR NEDERLANDSTALIGE LEZERS

AANSLUITPUNTEN ACHTERSTE LUIDSPREKERS

NETKABEL AANSLUITPUNTEN FM/AM-ANTENNE

9998

GND (Aardingsaansluitpunt)

TERMINALES DE ALTAVOCES TRASEROS CABLE DE ALIMENTACIÓN DE CA TERMINALES DE ANTENA DE FM/AM GNO TTERMINAI de conexión a tierra)

0000

VOORSTE/

O VIDEO-INVOER/UITVOERAANSLUITINGEN

Audioingångar och -utgångar (AUDIO INPUT/OUTPUT) FÖR SVENSKA LÄSARE

O Audioingångar och

Anslutningar för bakre högtalare (REAR SPEAKER) Nätsladd 0 00

Anslutningar för FM-/AM-antenn (FM/AM ANTENNA) GND (Jordpunkt)

AUDIO-INVOER-UITVOERAANSLUITINGEN
 AANSLUITPUNTEN
 MIDDENLUIDSPREKERS

Anslutningar for frame/mithögtalare (FRONT/CENTER SPEAKER)
 Videoingångar och -utgångar (VIDEO INPUT/OUTPUT)

Always turn off the power of the various components when making connections. Also refer to the operating

instructions for the other components.

• Do not plug in the power cord until all connections are completed.

Schalten Sie beim Vornehmen von Anschlüssen innner den Strom zu den verschiedenen Komponenten aus. Beziehen Sie sich darüberhinaus auf die Bedienungsanleitungen für die anderen Komponenten.
 Schließen Sie das Netzkabel nicht an, bevor alle anderen Anschlüsse komplett ausgeführt worden sind.

Mettre toujours les divers appareils hors circuit lors de la réalisation des connexions. Se reporter également aux modes d'emploi des autres appareils.
 Ne pas brancher le cordon d'alimentation avant d'avoir terminé toutes les connexions.

• Spegnete sempre la corrente dei vari componenti prima di fare i collegamenti. Inoltre, fate riferimento al manuale di ciascun componente. • Non inserite il filo di alimentazione finchè tutti i collegamenti non saranno stati fatti.

Antes de hacer las conexiones, desconecte la alimentación a los distintos componentes. Consulte también los manuales de instrucciones de los componentes en uso.
 No conecte el cable de alimentación hasta haber finalizado todas las conexiones.

• Schakel altijd de spanning van de verschillende komponenten uit wanneer u aansluitingen maakt. Raadpleeg ook de

gebruiksaanwijzing van de andere komponenten. • Steek het netsnoer pas in als alle aansluitingen tot stand zijn gebracht.

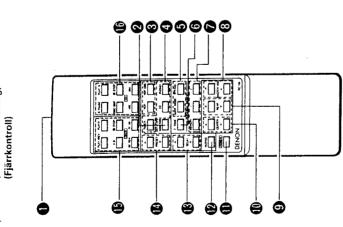
Kom alltid ihåg att stänga av alla apparater innan du ändrar nägra anslutningar. Läs respektive bruksanvisningar för

nārmare upplysningar. • Nāikabeln skall iņte sāttas i vāgguttaget fórrān alla andra anslutningar är klara.

(Remote Control Unit) (Fernbedienungsgerät) (Télécommande)

(Telecomando)

Unidad de Control Remoto) (Afstandsbediening)



Übertragungsfenster (TRANSMITTING WINDOW) Datum/Band Überwachungstaste FÜR DEUTSCHE LESER

Video-Funktionstasten (VIDEO FUNCTION) Audio-Funktionstasten (AUDIO FUNCTION) Klangumgebungs-Tasten (SURROUND) なTestton-Taste (TEST TONE) (DAT/TAPE MONITOR)

&TEST TONE BUTTON

&PERSONAL MEMORY BUTTONS

MASTER VOLUME BUTTONS

★REAR LEVEL ADJUSTIMENT BUTTONS

☆CENTER LEVEL ADJUSTIMENT BUTTONS

FOR ENGLISH READERS

PRANSMITTING WINDO

DATTARE MONITOR BY

AUDIO FUNCTION BUT

AUDIO FUNCTION BUT

CAUDIO FUNCTION BUT

AUDIO FUNCTION BUT

AUDIO FUNCTION BUT

ATERIA ELFEL ADJUS

CECENTER LEVEL ADJUS

CECENTER LEVEL ADJUS

CECENTER LEVEL ADJUS

CECENTER LEVEL ADJUS

CECNTER REGET BUTTON

CECNTER PRESET BUTTON

TOWNER PRESET BUTTON

CONTRACTOR

TRANSMITTING WINDOW
DAT/TAPE MONITOR BUTTON
VIDEO FUNCTION BUTTONS
AUDIO FUNCTION BUTTONS

SURROUND BUTTONS

yPersönliche Speichertasten (PERSONAL MEMORY)
spupulautsikarter-Tasten (MASTER VOLUME)
the finistellungstasten für hintere Stufe
REAR LEVEL ADJUSTMENT) なEinstellungstasten für Mittelstufe (CENTER LEVEL ADJUSTMENT) 0000000

Einstellungstasten für Zeitverzögerung (DELAY TIME ADJUSTMENT) 於Stummschaltungs-Taste (MUTING) Netztaste (POWER)

989

AMUTING BUTTON
DELAY TIME ADJUSTMENT BUTTONS
TUNER PRESET BUTTONS
TAPE DECK SYSTEM BUTTONS

SYSTEM BUTTONS

Tuner-Voreinstellungs-Tasten (TUNER PRESET) Systemtasten für Tape Deck (TAPE DECK SYSTEM) CD-Systemtasten (CD SYSTEM)

Buttons marked " & "indicate functions only available on the remote control unit.

Die mit " & " markierten Tasten zeigen Funktionen an, die nur mit Hilfe des Fernbedienungsgerätes aktiviert werden können.

POUR LES LECTEURS FRANCAIS • FENETRE D'EMISSION • TOUCHE DAT/CONTROLE DE 1

FENETRE D'EMISSION TOUCHE DAT/CONTROLE DE BANDE

TOUCHES DE FONCTION VIDEO (VIDEO FUNCTION)
TOUCHES DE FONCTION ADIDIO (ALDIO FUNCTION)
TOUCHES DE REPORTION ADIDIO (ALDIO FUNCTION)
TOUCHES D'AMBIANCE (SURROUND)
*TOUCHES DE TONALITE TEST (TONE TEST)
*TOUCHES DE MEMOIRÉ PERSONNALISÉE
(PERSONAL MEMOIRÉ)

TOUCHES DE VOLUME GLOBAL (MASTER VOLUME) &TOUCHES DE REGLAGE DE NIVEAU ARRIERE (REAR LEVEL)

☆TOUCHES DE REGLAGE DE NIVEAU CENTRAL (CENTER LEVEL)

FINESTRELLA DI TRASMISSIONE TASTO DELLA PIASTRA DAT/MONITORAGGIO DEL TASTI DELLA FUNZIONE VIDEO TASTI DELLA FUNZIONE AUDIO TASTI SURROUND PER IL LETTORE ITALIANO

FINESTRELLA DI TRASM

TASTO DELLA PIASTRA NASTRO

☆TASTO DEL TONO DI PROVA

ATASTI DELLA MEMORIA PERSONALE TASTI DEL VOLUME PRINCIPALE ↑ ATASTI DI REGOLAZIONE DEL LIVELLO POSTERIORE ↑ TASTI DI REGOLAZIONE DEL LIVELLO CENTRALE ↑ TASTI DI REGOLAZIONE DEL LIVELLO CENTRALE

VENTANILLA TRANSMISORA BOTON DAT/TAPE MONITOR

BOTONES SELECTORES DE ENTRADA DE VIDEO BOTONES SELECTORES DE ENTRADA DE AUDIO BOTONES DE SONIDO ENVOLVENTE ÉMOTON DE TONO DE PRUEBA (TEST TONE) SEDOTONES DE MEMORIA PERSONAL

(PERSONAL MEMORY)
BOTONES DE VOLUNEN PRINCIPAL
¢BOTONES DE VALUNEN PRINCIPAL
(REAR LEVEL)

¢BOTONES DE AJUSTE DE NIVEL TRASERO
(REAR LEVEL)

¢BOTONES DE AJUSTE DE NIVEL CENTRAL
(CENTRA LEVEL)

VOOR NEDERLANDSTALIGE LEZERS

VIDEOFUNKTIETOETSEN (VIDEO FUNCTION) AUDIOFUNKTIETOETSEN (AUDIO FUNCTION) ZENDVENSTERTJE DAT/TAPE-MEELUISTERTOETS (DAT/TAPE MONITOR) 00

SURROUND-TOETSEN

\$*TESTTOONTOETS (TEST TONE)

\$*PERSOONLJJK GEHEUGENTOETSEN
(PERSONAL, MEMORY)
HOOFDVOLUMETOETSEN (MASTER VOLUME) 90999 00

AMIDDENNIVEAU-INSTELTOETSEN (CENTER LEVEL ADJUSTMENT) AACHTERNIVEAU-INSTELTOETSEN (REAR LEVEL ADJUSTMENT) 8

DAT-/däckomkopplare (DAT/TAPE MONITOR) Videotangenter (VIDEO FUNCTION)
Audiotangenter (AUDIO FUNCTION)
SURROUND-tangenter

\$\frac{\pi}{\pi} \text{Testtontangent} (TEST TONE) FÖR SVENSKA LÅSARE

© Sändarfönster

© DAT-/däckom/sopplare

© Videotangenter (VIDEO

G Audiotangenter (ADDIC

G SURROUND-tangenter

© TEStfontlangent (TEST)

(PERSONAL

☆Tangenter för justering av den bakre nivån (REAR LEVEL ADJUSTMENT) 화Tangenter för justering av mittkanalnivån (CENTER LEVEL ADJUSTMENT) Ljudstyrketangenter (MASTER VOLUME) 00 **a**

D TOUCHE D'ALIMENTATION (POWER)

D ATOUCHE DE SOURDINE (MUTING)

D TOUCHE DE REGLAGE DE RETARD

(DELAY TIME ADJUSTMENT)

D TOUCHES PREFEGLAGE DE TUNER

D TOUCHES DE SYSTEME DE PLATINE CASSETTE

(TAPE DECK SYSTEM)

Les touches marquées " \(\precede \) indiquent des fonctions disponibles seulement sur la télécommande. TOUCHES DE SYSTEME CD (CD SYSTEM)

(D) TASTO DI ACCENSIONE (D) ≤:TASTO DI SILENZIAMENTO (B) TASTI DI REGOLAZIONE DELLA DURATA DEL

TASTI DI PRESELEZIONE DEL SINTONIZZATORE TASTI DELLA PIASTRA A CASSETTE TASTI DEL SISTEMA CD RITARDO

Lasti che recano il marchio " $\mbox{\it the}$ " indicano funzioni che sono disponibili solo usando il telecomando.

INTERRUPTOR DE ALIMENTACION ACADONO DE SILENCAMBINTO (MUTING) BOTONES DE ALUSTE DE TIEMPO DE RETARDO BOTONES DE PRESINTONIZACION BOTONES DE MAGNETOFONO DE CASSETTES BOTONES DE REPRODUCTOR CO

Los botones marcados " $\mbox{$\alpha$}$ " indican funciones sólo disponibles en la unidad de control remoto.

PRANNINGSTOETS (POWER)
 **DEMPINGSTOETS (MUTING)
 VERTRAGINGSTIJD:NISTELTOETSEN
 (DELAY TIME ADJUSTMENT)
 LIUMER VOORKEUSETFOETSEN
 TAPEDECK-SYSTEEMTOETSEN (TUNER PRESET)
 (DELAY SYSTEEMTOETSEN (TA

De met " '' '' gemerkte toetsen duiden funkties aan die enkel met de afstandsbediening kunnen worden gebruikt.

देरDämptangent (MUTING) Tangenter för justering av tidsfördröjningen (DELAY TIME ADJUSTMENT) Strömbrytare (POWER)

Snabbvalstangenter (TUNER PRESET) Systemlangenter för kassettdäcket (TAPE DECK SYSTEM) CD-tangenter (CD SYSTEM)

Tangenter märkta " 🌣 " motsvarar funktioner som bara kan utnyttjas via fjärrkontrollen.

We greatly appreciate your purchase of the AVR-800.
 If O be sure you take maximum advantage of all the features the AVR-800 has to offer, read these instructions carefully and use the sure to keep this manual for future reference should any questions or problems arise.

• ACCESSORIES

Point the remote control unit at the remote control sensor as shown on the diagram at the left.

Following the procedure outlined below, insert the batteries before using the remote control unit.

3 REMOTE CONTROL UNIT

■ Range of operation of the remote control unit

•

The remote control unit can be used from a straight distance of approximately 7 meters, but this distance will shorten or operation will become difficult if there are obstacles between the remote control unit and the remote control sensor, if the

remote control sensor is exposed to direct sunlight or other strong light, or if operated from an angle.

Near signs or other devices emitting pulse-type noise nearby may result in malfunction, so keep the set as far away from such devices as possible.

10050111

6 FM indoor antenna Check that the following parts are included in addition to the main unit: S AM loop antenna A Septe

INSTALLATION PRECAUTIONS

Using this receiver or other electronic equipment containing microprocessors simultaneously with a tuner or TV may result in

- into propose a sound or picture.

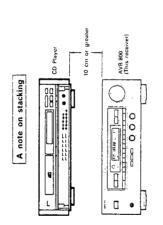
 If this should happen, lake the following steps:

 If this should happen, lake the following steps:

 Keep the alternal intex of the function of Y set.

 Keep the alternal intex of the function of Ys at as a possible from the receiver's power cord and connection cables.

 This problem is especially frequent when using indoor antennas and 75 ohm coaxiel cables.



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9, 10 2 2 2 7~9 Multi Function Display (MFD) Tape Monitor Function Remote Control Unit Remote Control Unit . Using Headphones Names of Parts. Note on Use Front Panel Connections [] Introduction - Rear Panel Recording Playback .. [2]

For cooling purposes, do not place another AV component directly on top of the receiver. Be sure to leave a space of at least 10 cm.

- 12~14 . 12, 13 17 3 ·Operations Possible in the Various Using Dolby Pro Logic Surround Other Surround Modes
 Using the Personal Memory ... Listening to the Radio Surround Playback Surround Modes 95
- Initialization of the Microprocessor ...
 Troubteshooling
 Las Function Memory
 Especifications
 DENON SERVICE NETWORK

Surround Modes

CD system buttons With these buttons a Denon remote controllable CD player can be controlled directly. For details, refer to the CD player's operating instructions. Note that operation may not be possible for some models.

Het and PM: Auto search

Sessor

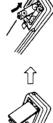
Iterverse and forward)

Control of the control o ►: Play
H: Pause
E: Stop

★4 and ▶H:

■ Inserting the batteries

1. Open the bottom cover of the remote control unit and remove the battery cover



Use only RBP, AA, UM-3 batteries for replacement.
 Be sure the polarities are correct (See the illustration inside the battery comparaturent.)
 Remove the batteries if the remote control transmitter will not be used for an extended period of time.
 It batteries iteak, dispose of them immediately. Avoid touching the leaked material or letting it come in contact with clothing, etc. Clean the battery compartment thoroughly before install-

ing new batteries.

When replacing the batteries, always replace both batteries

with new ones.

Insert the two R6P/AA batteries, matching the \oplus and \ominus marks on the batteries with those in the case. Close the bottom cover until it clicks shut.

2



■ System codes

The system codes for Denon tape decks and CD players are set in this remote control unit.

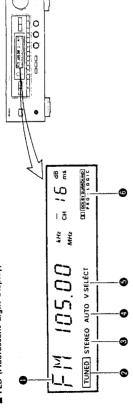
Tape deck system buttons with the behalf and the deck table to be deck tab be controlled directly. For details, rafer to the tape deck's operating instructions. Note that operation may not be possible for some models. Forward play Reverse play

→ Continued

4 MULTI FUNCTION DISPLAY (MFD)

The MFD indicates the operating modes when operations are performed and when PANEL button is pressed.

■ FLD (Fluorescent Light Display)



MULTI FUNCTION DISPLAY

Normally the reception frequency is displayed when the function is set to tuner, and the surround mode is displayed when the function is set to other positions. The display also indicates various other information according to the buttons pressed.

TUNED (TUNED indicator)
This indicator lights when broadcast signals are received

STEREO (Stereo Indicator)

The STEREO indicator will automatically light up when a stereo broadcast is received.

■ To check the settings of the different modes



Turning the FLD off. ■ FLD OFF

The FLD display changes continuously and finally turns off. Now when a button is prussed, the related display appears for a few seconds then turns off automatically. 1. Press and hold in the PANEL button. Press the PANEI, button once again. 2. Turning the FLD back on.

•

000

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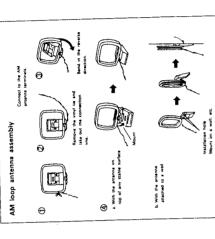
♣ AUTO TUNING (AUTO TUNING Indicator)
This indicator lights when the auto tuning mode is selected by pressing the TUNING MODE button.

This indicator lights when the video monitor output is fixed in the video select mode. V. SELECT (VIDEO SELECT Indicator)

DOLBY SURROUND Indicator
This indicator lights when DOLBY PRO LOGIC, 3CH. LOGIC are selected. 0

5 CONNECTIONS

Connecting the antenna terminals



antenna has been installed.
When contenting an undoor FM artenue, the use of 75 ohm coaxal cable (3C-2V, SC-2V) is strongly recommended. Using a 3DO-bini tedest cable will cause noise and you will not be able to active the high sound quality the built in tuner is capable of delivering.

• AM ANTENNA

the daugram, then place it in a pusition where reception is good in some cases reception is the pularities are inverted. AM broadcasts will not be received with it he loop antenna is not connected or

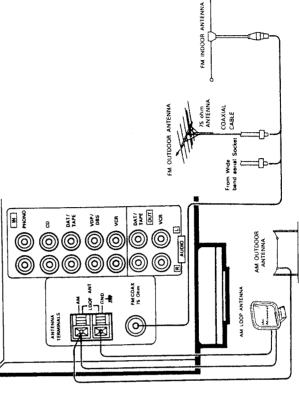
Assemble the included AM loop antenna as show

if it is connected but near a metal part. Attach the loop antenna even when using an outdoor

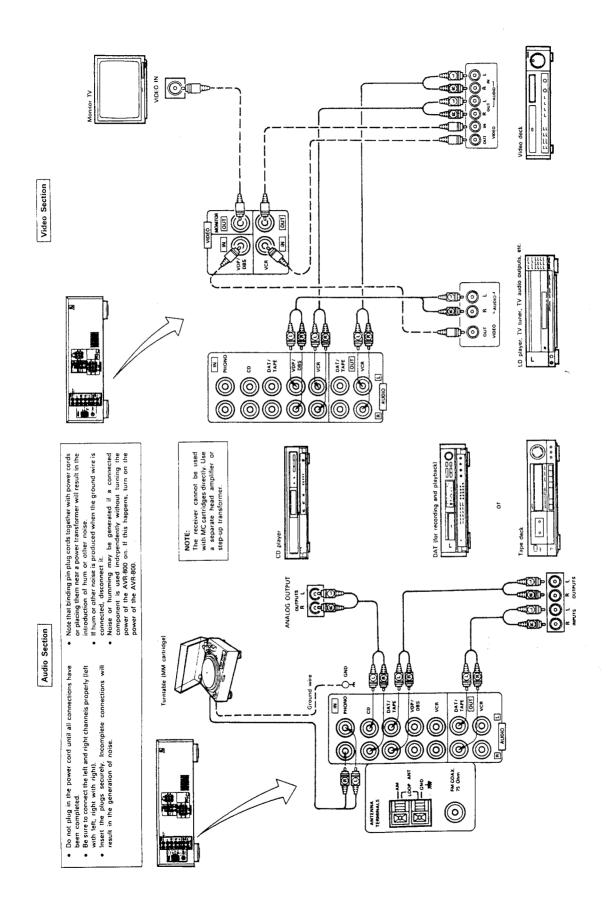
Adjust the loop antenna to obtain optimum reception. Where brandcast stations are obtained and only weak signals are received, or where signals are locked, it is best to install an outdoor AM antenna liocked, it is best to install an outdoor AM antenna.

• IM ALTERIAN

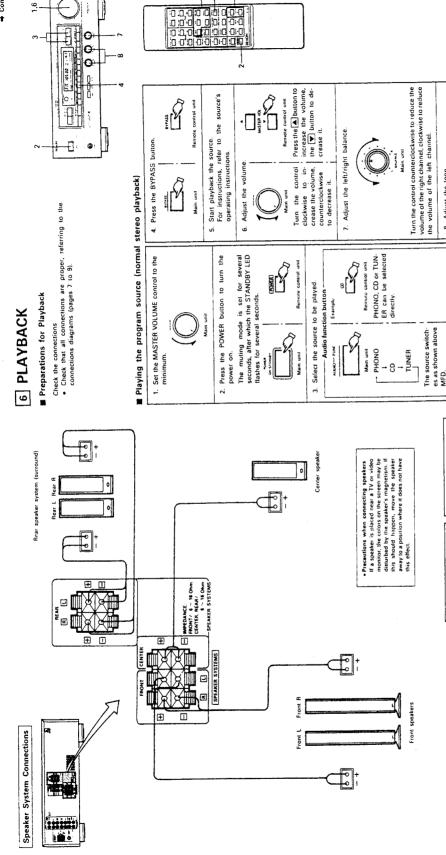
The supplied Type indoor FM anterna (300 ohms)
can be used inside wooden housed for referring local
fm stations and other strong FM signals. Siretch out
the ends of the anterna and mount the anterna on
the wall or celling where optimizem reception is
achieved FM Type anterna may not consistently
ensure stable reception, due to environment
changes. In sinch cases, the FM Type anterna
should only be used temporatriy until an outdoor FM
stood only be used temporatriy until an outdoor FM







■ Continued



Connecting the center and rear speaker terminals. Peel off the sheath. Preparing the cord Twist the wires. Peel Twist. T C When making connections, take care that none of the individual conductors of the speaker cord come in contact with adjacent terminals, with other speaker cord conductors, or speakers, and one center speaker.
Connect the speaker terminals with the speakers making sure that like polarities are matched (θ , with θ). Θ with Θ). Mismatching of polarities will result in weak central sound, unclear orientation of the various instruments, and the sense of direction of the stereo being impaired. This receiver can accommodate connections of a total of five speakers including one set of front speakers, one set of rear

2. Insert the cord and re-lease the lever. 1. Press the lever

VDP/DBS and VCR can be selected di-rectly. Renioze control unit The source switch-es as shown above, MFD. VDP/DBS Main unit → S.

treble, counterclock-wise to decrease it. Turn the control clock-wise to increase the bass, counterclock-wise to decrease it. NOTE

Turn the control clockwise to increase the

Main unit

8. Adjust the tone

Video function button

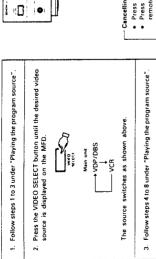
The sound may be interrupted if switches are operated during playback. This is because the muting circuit is activated to prevent switching noise.

with the rear panel.

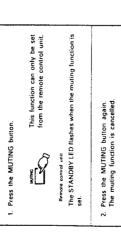
Speaker Impedance

Speakers with an impedance of 6 to 16 ohms can be connected for use as front speakers 8 to 16 ohms can be connected for use as center and rear speakers.
 Using speakers with an impedance other than the specified one may result in damage. Be sure to use speakers of the specified impedance.

Simulcast playback (playing different video and audio sources simultaneously)



■ Using the muting function
Use this to turn off the audio output temporarily.



 Press the VIDEO SELECT button again.
 Press the video function button on the main unit or remote control unit. Cancelling simulcast playback

1,2-

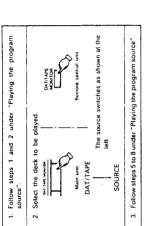
8 TAPE MONITOR FUNCTION

■ When playing a DAT or tape deck Use this function to switch between the DAT or tape deck and the input (source) selected with the audio or video function buttons.

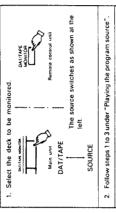
(F1 0500 : 4]

1 0 . •

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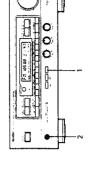
Monitoring the recording on a three-headed tape deck The sound actually being recorded can be monitored during recording when a three-headed tape deck is used.



4. Press the three-headed tape deck's source/tape button to monitor the recording. Start recording on the tape deck. For instructions, refer to the component's operating instructions.

NOTE:

• Also refer to the three-headed tape deck's operating instructions.



Either press the OUTPUT button again or press the POWER button to turn off the power. Cancelling

2. Insert the headphones' plug into the headphones' jack.

"H/P ONLY" appears on the MFD.

7 RECORDING

(recording the source currently being monitored) ■ Recording the program source

 Start recording on the tape or video deck.
 For instructions, refer to the component's operating instructions. 1. Follow steps 1 to 3 under "Playing the program source"

NOTE

The recording source switches if the audio function, video function, personal memory "1" or "2" or tuner preset buttons are pressed during recording. Do not press these buttons during recording.

The signals of the source selected with the function selector button are output simultaneously to the DAT/TAPE and VCR REC OUT sizeds. If a total of two tape and/or video decks are connected and set to the recording mode, the same source can be recorded simultaneously on both decks.

In addition, if the TAPE MONITOR (DAT/TAPE) button is pressed, the audio signals from the tape deck are output to the VCR AUDIO REC OUT jacks. Simultaneous recording -

The sound from the speakers can be turned off using the OUTPUT button to listen to the sound over the headphones only, for example at night. 1. Press the OUTPUT button.

9 USING HEADPHONES

Fr ds ap 000 ---

0

1. Follow steps 1 to 4 under "Tuning" to tune in a station.

2. Press the MEMORY button.

3. Select the preset channels

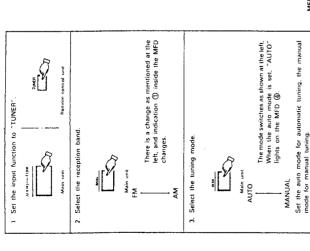
■ Storing stations at the preset buttons

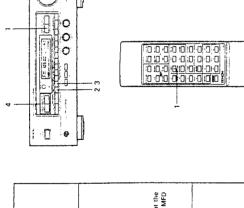
The "CH" (Sindicator on the MFD flashes.

2,4

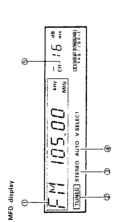
10 LISTENING TO THE RADIO







MFD display	e-		FM 105.00 ***	TUNED STEREO AUTO V SELECT		((ම චි			
Set the auto mode for automatic tuning, the manual mode for manual tuning.	4. Tune in the station.	(a) years — 1, then is —— 11		Main unit	In the manual tuning mode: Press the UP button once to increase the frequency by	one step, the DOWN button once to decrease the	frequency by one step.	tons are held in.	The "TUNED" indicator @ lights on the MFD when a	The section of the section of



+12 -- 16 --

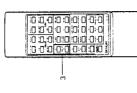
1 Main unsi

- The preset memory standby mode is set for 10 seconds when the MEMORY button is presets. The preset memory standby mode is cancelled if any button other than preset buttons, the MEMORY button is pressed

. []

Press the MEMORY button that you want to store to memory.

-12 +---164-



Recalling stations with the preset buttons first store stations at the preset buttons using the above procedure.	ý	· Lister	Remote control unu 12 +16	meser (Remote control unit -8 4— -12 4—-164—-
■ Recalling stations with the preset buttons First store stations at the preset buttons using the procedure.	3. Select the preset channels.	Nome 18 81 G	Man unit	17 N N 1 W	Main unit

NOTES:

station is tuned in.
In the auto tuning mode:
When the UP or DOWN button is pressed, automatic
searthing begins, and searching stops when a station
is tuned in.

- When in the auto tuning mode on the FM band, the "STEREO" indicator @ lights on the MFD when a stereo broadcast is tuned in At open frequencies, the noise is nusted and the "TUNEO" @ and "STEREO" @ indicators turn off.
 When the manual funing mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator @ turns off.

11 SURROUND PLAYBACK

■ SURROUND modes

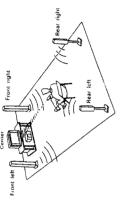
The surround modes are as follows:

-		
-	Dolby Pro Logic	Use this when playing program sources recorded in Dolby Surround or Dolby stereo.
2	HALL	Use this setting to create the atmosphere of a concert hall. There will be no output from the center speaker.
3	STUDIO	Use this setting to create the atmosphere of watching a live program in a studio. There will be no output from the center speaker.

Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol CD are trademarks of Dolby Laboratories Licensing Corporation.

These effects may not be very pronounced for some sources. To adjust for the Dolby Pro Logic Surround mode as explained on page 13, then use the position of the center level and rear level controls at this time as a guide to adjust the balance for that surround mode.

Center Mode



• Dolby 3CH. Logic (three-channel logic mode)

2. Press the 3CH. LOGIC button. 3CH. LOGIC Main with left book of the book of	3. Select the center mode according to your speaker system. Main unit NORMAL — WIDE
--	---

Ideally, center speakers should be used when playing sources in Dolby Pro Logic Surround. Select the center mode according to your

· Speaker disposition and the Dolby Pro Logic Center mode

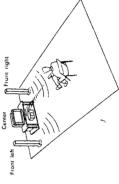
■ Using Dolby Pro Logic Surround

1. Set the Dolby Pro Logic mode.

Remote control unit

mode.

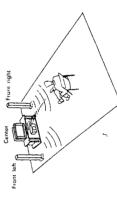
2. Select the center Main unit



Select this mode when not using rear speakers.

n. Set the Dolby Pro Logic mode. South most Main unit Remote control unit	Press the 3CH. LOGIC button.	SIC Main und The mode changes as shown at the left. IC	System. System. Main unid NORMAL — WIDE The mode channes as shown ahove
1. Set the D	2. Press the	3CH, LOGIC 1 PRO LOGIC	3. Select th system.

3CH. LOGIC MODE



The mode changes as shown above. NORMAL -----PHANTOM

· wiDE ←---

Main unit

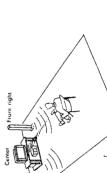
Use this mode when rear channel speakers are not used. The rear channel information is reproduced by the front speakers. 3CH. LOGIC mode

channel speaker is smaller than the left and right speakers Signals below 100 Hz which have almost no effect on directional orientation are distributed to the left and right channels, whereas his center channel output signals greater than 100 Hz As a result, the bass of the left and right channels increases the apparent deepness of the sound. This mode is suited for an arrangement in which the center

PHANTOM mode

Use this mode when center channel speaker is not used. A directional emphasis circuit provides signal reproduction which is electricity oriented to the center and this provides an exciting sound field for your enjoyment. WIDE mode

This mode is suited for an arrangement in which the center channel speaker is of the same grade as the left and right speakers. The entire sound band from low region to high is output to the center channel to provide an exciting sound field for your enjoyment.

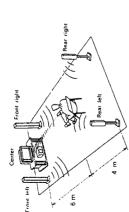


♣ Continued

Setting the delay time

position. Referring to the chart at right, set the optimum delay time for your room's space and sealing position. For example when the distance from the front speakers to the listening position is 6 m and that from the rear speakers to the listening The optimum delay time will differ depending on the listening position is 4 m, the optimum delay time will be 21 ms. The variable range of the delay time differs depending on the

mode. For details about the variable range, see Page 14.



Listening position and optimum delay time for playback with Dolby Pro Logic surround Ē 10 5 12 0 8.0 Distance from the front speakers to the listening position 3.5 1.5 3.0 4.5 O Suitable
A Possible
X Impossible Distance from the rear speakers to the listening position 2.9.0 2.5 2.0 3.0 4.5 5.0 2.0 اس) 0.51 9.0r 5.1

Remote control unit ş.[¥ Remote control unit 2. To decrease the delay time. 1. To increase the delay time Main unit

(ms)

4. To increase the level of the rear speakers.

Test tones are produced from the speakers in the order shown below, at 4 second intervals for the first two cycles, 2 second

More Thank Remote control unit

1. Press the T.TONE button.

-FI-C-FRI--S-

intervals after that.

2. To increase the level of the

center speakers.

5. To decrease the level of the rear speakers.

Remote control unit PE A.A

6. Press the T.TONE button again.

• The test tone will not move on to the next channel when it is being entitled from the center channel and the (evel of the center speakers is being adjusted, or when it is being emitted from the rear channel and the level of the rear speakers is being adjusted, it only moves on to the next channel approximately two seconds after the level key has been released.

■ Other Surround Modes

0

DOLBY PRO LOGIC Sole Mook STUDIO 1. Set the HALL mode/STUDIO mode. 2. Play the desired software. HALL mode / STUDIO mode 3. Adjust the volume.

4. Adjust the level of the center and rear channels. Adjust the levels according to the source, using Remote control unit Main unit 5. Ac

· Speaker volume adjustment and Dolby Pro Logic mode

To obtain the maximum surround effect, use the test tones to adjust the volume and balance of the speakers for the best balance for the listering position and so that the sound from all the speakers is heard at the same level. Set the master volume control to a suitable level, then adjust using the following procedure.

3. To decrease the level of the center speakers.

· —		
	00	
,		

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9	1
	İ
bolby Pro Logic settings as reference.	-
refe	Sire
, &	1 6
sb	as
settir	time
Logic	dust the delay time as desired
Pro	the
osby	Adjust

Once the delay time is set, there is no need to readjust it unless you change the speaker system or the listening position.
 It is available to memorize the adjusted values of delay time and rear (center) level for each surround mode.

■ Using the Personal Memory

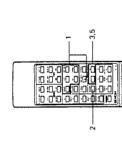
Surround mode settings and the input function can be stored at personal memory buttons "1" and "2", then recalled directly from any surround mode simply by pressing button "1" or "2".

[1] Storing the setting in the personal memory

Set the desired surround mode and input function.	2. Press the personal memory button.	Remote comed unit (The memory setting mode is set and the indicator on the MFD flashes.)	3. Press the desired personal memory button ("1" or "2").
---	--------------------------------------	--	---

~ _ -

"M 1 (2) SET" appears on the MFD indicating that the setting has been stored. The memory setting mode is set for 6 seconds. If any button other than personal memory button "1" or "2" is pressed, the memory setting mode is cancelled.



Remote control unit

2 Recalling the personal memory

5. Press the personal memory button ("1" or "2") at which the desired setting was stored. \overline{Q} Remote control unit ~[] -[]

The surround mode and input function switch automatically.

- Personal memory buttons '1' and '2" will not function during the tape monitor mode.
 The surround mode recalled with the PERSONAL MEMORY '1' or '2' button is the same as the mode selected with the surround mode button. Thus, if the parameters of the surround mode which was stored in the memory are cleared, when the mode is recalled it is set to the initial values.
 - Upon shipment from the factory, the "DOLBY PRO LOGIC" mode is stored at personal memory "1", the "HALL" mode at personal mampory "2". The input function is set to VDP/DBS for both "1" and "2".

 Do not press personal memory buttons "1" or "2" buttons during recording on the cassette deck.

Operations Possible in the Various Surround Modes

The following is a list of the buttons and functions which can be operated during the different surround modes. Figures in parentheses indicate adjustment ranges.

		OUTPUT	OUTPUT CENTER LEVEL	REAR LEVEL	CENTER	LOGIC	TONE	DELAY TIME
BYPASS		0	×	×	-1	×	×	×
	NORMAL	0	O (0~-24dB)	O (0~-24dB)	0	0	0	O (15~30ms)
DOLBY PRO LOGIC	PHANTOM	0	×	O (024dB)	0	×	0	O (15~30ms)
	WIDE	0	O (0~-24dB)	O (024dB)	С	0	0	O (15~30ms)
	NORMAL	0	O (024dB)	×	0	0	0	×
DOLBY 3CH LOGIC	WIDE	0	O (0~-24dB)	×	0	0	0	×
HALL		0	×	O (024dB)	1.77	×	×	O (0~33ns)
STribio		0	×	O (0~-24dB)	1,77	×	×	O (0-33ms)

Switches to the Dolby Pto (3CH) Logic for any modes other than Dolby Pto (3CH) Logic The level of the context and rear channels can be adjusted by \hat{Z} 4B step. The dealy time can be set by 1.5 ms step.

000 000

The sound may be distorted for some sources if the rear level is raised during surround playback.
 If this happens, lower the rear level.

12 INITIALIZATION OF THE MICROPROCESSOR

When the indication of the MFD display is not normal or when the operation of the unit does not shows the reasonable result, the initialization of the microprocessor is required by the following

procedure.

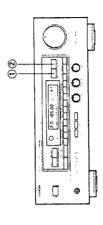
1. Switch off the unit and remove the AC power cord from the Hold the following 2 buttons of the main unit at the same time (as illustrated in the diagram below, () AUDIO FUNCTION button, () VIDEO FUNCTION button) and plug the power cord

into the outlet.

Check that the entire MFD display is flashing with an interval of about 1 second, and release your finger it from the 2 butions. Switch on the unit and the microprocessor will be initialized. The input function is set to tuner with the bypass mode.

automatically.

NOTE: • When the unit does not show the result of above 3 and 4, repeat the procedure from 1 again and 4, repeat the procedure store is missingly a setting to when the microprocessor is ministed, all settings you have made are reset to the factory preseltings.



Initial parameter values for the different modes

	OUTPUT	LEVEL	LEVEL	MODE	1001	TIME
BYPASS	NO.	1	1	ı	í	1
DOLBY PRO LOGIC	ž	-1248	-12dB	NORMAL	OFF	21msec
HALL	š	1	-12dB	1	1	21msec
STUDIO	Š	1	-12dB	1	t	21msec

INPUT FUNCTION : TUNER
 Reception band : FM
 Reception mode // : AUTO
 Reception frequency : 87.5MHz (for Morth American models)
 Reception frequency : 87.50MHz (for multi-voltage models)

PERSONAL MEMORY 1
 INPUT

VDP/DBS

DOLBY PROLOGIC VDP/DBS HALL SURROUND MODE

PERSONAL MEMORY 2
INPUT SURROUND MODE

13 TROUBLESHOOTING

If a problem should arise, first check the following:

1. Are the connections correct.

2. Are we up operated the amplifier according to the Operating Instructions?

3. Are the speakers, turntable, and other components operating properly?

If the receiver is not operating properly, check the items listed in the table below. Should the problem persist, there may be a maifunction Disconnect the power immediately and contact your store of purchase.

	Symptom	Cause	Measures	Page
	MFD not lit and sound not produced when power switch set to on.	 Power cord not plugged in securely. 	 Check the insertion of the power cord plug. 	v.
	MFD fit but sound not produced.	cords r button r positie		e 5 e .
		 Volume control set to minimum. MUTING is on. 	Turn volume up to suitable level. Switch off MUTING.	6 C
.pie.	-PROTECT- display appears multi- function display	Speaker terminals are short-dirouted. Block the ventilation holes of the set. The unit is operating at continuous high power conditions and/or inadequate ventilation. Institute	Switch power off, connect speakers properly, then switch power back on. Turn off the set's power, then ventiate it well to cool if down. Once the set is cooled down, turn the power back on.	os i
'elesabson	Sound produced only from one channel.	Incomplete connection of speaker cords. Incomplete connection of input/output cords. Lett/right balance is off.	Connect securely. Connect securely. Adjust balance knob property.	9.7. 8.9
d M3 bn	Positions of instruments reversed during stereo playback.	Reverse connections of left and right speakers or left and right input/output cords.	Check left and right connections.	თ დ
e 'sa	Sound seems distorted.	Rear level is too high.	Set the rear level to lower level.	13, 14
deı	Personal memory function does not work	DAT/tape monitor mode set.	Press the DAT/TAPE button to set the source.	9
١ .	Humming noise produced when re- cord is playing	Ground wice of turntable not connected property. Incomplete PHONO jack connection Incomplete THONO jack connection I'V or radio transmission antenna nearby.	Connect securely. Connect securely. Connect securely. Conlact your store of purchase.	60 BD 1
piaying records	Howling noise produced when volume is high.	Turntable and speaker systems too close together. Floor is unstable and vibrates easily.	Separate as much as possible. Use custions to absorb speaker vibrations transmitted by floor II turnsable is not equipped with insulators, use audio insulators frommontly evailable.	1 1
uau.a	Sound is distorted.	Siylus pressure too weak. Dust or drit on stylus. Cartridge defective.	Apply proper stylus pressure. Check stylus. Replace cartridge.	111
	Volume is weak.	MC carridge being used.	Replace with MM cartridge or use a head amplifier or step-up transformer.	8
Jinu	Receiver does not operate properly when remote control unit is used.	Batteries dead. Remote control unit too far from receiver. Obstact between receiver and remote control unit. Offerent busino is being pressed I and - ends of battery inserted in revise.	Replace with new batterins. Move close: Remove obstacle. Press the proper button. Insert batteries properly.	ப்மை ம
1				

14 LAST FUNCTION MEMORY

This receiver is equipped with a last function memory which stores the input and output setting conditions as they were immediately before the power is switched off.
 This function eliminates the need to perform complicated resettings when the power is switched on.
 This receiver is also equipped with a back-up memory. This function provides approximately one week of memory storage with the power cord disconnected.

15 SPECIFICATIONS

(Power amplitier) Rated output: (All properties sho	(Power ampititer) Rated output: (All properties shown are	60 W + 60 W (8 ohms, CENTER (center 1ch driven)	(8 ohms, 20 Hz ch driven)	(8 ohms, 20 Hz – 20 kHz with 0.1% THD) h driven)
only for the power amplifier stage.)	s power tage.)	60 W (8 o REAR (rear 2ch driven) 15 W + 15 W (8 o	(8 ohms, 20 Hz iven) (8 ohms, 1 kHz	(8 ohms, 20 Hz ~ 20 KHz with 0:1 % THD ren) (8 ohms, 1 KHz with 0:5% THD)
Output terminals:	minals:	Front: 6 to 16 ohms Center: 8 to 16 ohms Rear: 8 to 16 ohms	ohms ohms ohms	
Tine Input	Line input (Each line input - Thorns of Oct)	1001)		BUON O MANA: 25 mV / 47 kobms
Jubat sensi	Input sensitivity / impedance:	150 mV/4/ x office		11. 2.3 mm - 2. 20mm
Frequency	Frequency response:	10 Hz to 50 kHz:	±3 d8	11.00
Tone control range:	rol range:	BASS: TREBLE:	±10 dB at 100 Hz ±10 dB at 10 kHz	00 HZ 0 kHz
Signal-to-r	Signal-to-noise ratio	92 dB (BYPASS)		
Phono equ	Phono equalizer (PHONO input – REC OUT)	OUT)		
RIAA deviation:	stion:	±1 dB (20 Hz to 20 kHz)	0 kHz)	1
Signal to r	Signal-to-noise ratio:	74 dB (A weignt	/4 dB (A weighting, with 5 mV input)	
Rated output / Me Distortion factor:	Rated output / Maximum output: Distortion factor:	0.03% (1 kHz, 1 V)	_	
Tuner Section	tion	15.40		
[FM] (not	[FM] (note: pv at /5 ohms, 0 dbt = 1 x 10 - vv)	1 × 10 · vv)	,00 Matur	
Receivir	Receiving Hange.	87.50 MHZ ~ 100	CON MICK	
Usable	Usable Sensitivity:	Ē	907 6 1477	
50 dB O	50 dB Quieting Sensitivity:	STEREO 23 µV	23 µV (38.5 dBf)	
Signal 1	Signal to Noise Ratio (IHF-A):			
		_		
Total Ha	Total Harmonic Distortion			
(at 1 kHz):	::[2	SIEREU 0.5%		
Receivin	Receiving Range:	522 kHZ ~ 1611 kHz	KH2	
Usable	Usable Sensitivity:	18 µV		
Signalt	Signal to Noise Ratio:	50 dB		
Video Section Standard vide	Video Section Standard video lacks			
District and	Control and control force / impadence .	1 \\n.n/75 ohms		
Frequency	input and output level / impedance. Frequency response:	2 Hz to 8 MHz + 0, -3 dB	,-3 dB	
General				
Power supply:	ply:	AC 230 V, 50 Hz	AC 230 V, 50 Hz (for Europe model)	=
		AC 246 V, 50 Hz (for U.K. model)	for U.K. model)	
Maximum	Maximum external dimensions:	434 (W) × 142 (H	1 × 325 (D) mm (1	434 (W) × 142 (H) × 325 (D) mm (17-3/32" × 5-19/32" × 12-51/64")
Weight:		9.1 kg (20 lbs 1 oz)	(2	
Remote co	Remote control unit System remote control			
RC-169:		Total buttons:		36
		DENON system code	epos	4
		CD player:	,	6 buttons
		Cassette deck: AVR:800 fixed codes:	d codes:	24 hittons
		Batteries:		R6P/AA Type (two batteries)
		External dimensions:	. 3000	EE (M) > 19 (H) > 190 (D) mm (2.11/64" × 45/64" × 7
				20 (44) × (21) (21) (21) × (44) (21)

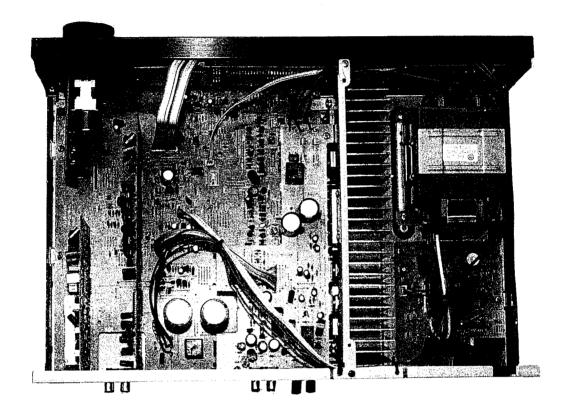
· For purposes of improvement, specifications and design are subject to change without notice.

6 buttons 6 buttons 24 buttons 24 buttons 76 buttons 55 kW x 18 HX x 180 (D) mm (2.11/64" x 45/64" x 7.3/32") 110 g (Approx. 4 oz) (including batteries)

MEMO:

WIRE ARRANGEMENT

In case of wires require unclasping or loosening to move the location to perform adjustment or part replacement, be sure to rearrange them neatly to restore properly in the same location as they were originally placed, or causing to produce a noise may occasionally occur.

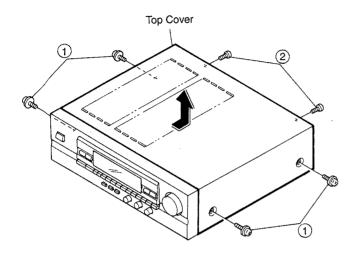


DISASSEMBLY

(To reassemble reverse disassembly)

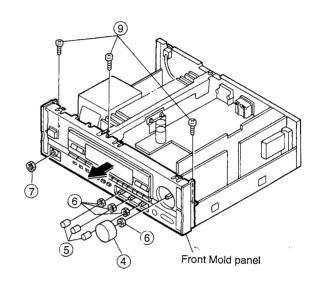
1. Top Cover

Remove 4 screws (1) and 2 screws (2).



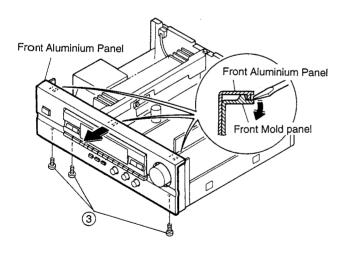
3. Front Mold Panel

- (1) Pull out Volume knob (4) and 3 round knobs (5).
- (2) Remove 4 nuts 6 and nut 7.
- (3) Remove 3 screws 9 .



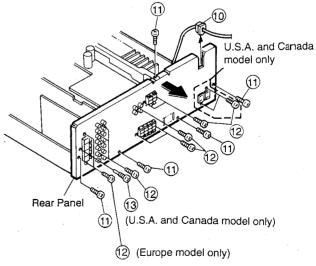
2. Front Aluminium Panel

Remove 3 screws (3) and undo hooks at 3 places.



4. Rear Panel

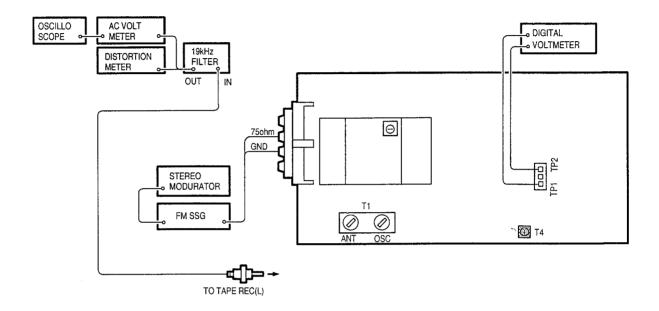
- (1) Disconnect cord bush 10 .
- (2) Remove 5 screws (1), and 10 screws (2), and a screw (3).
 - * Screws ② is tighten.



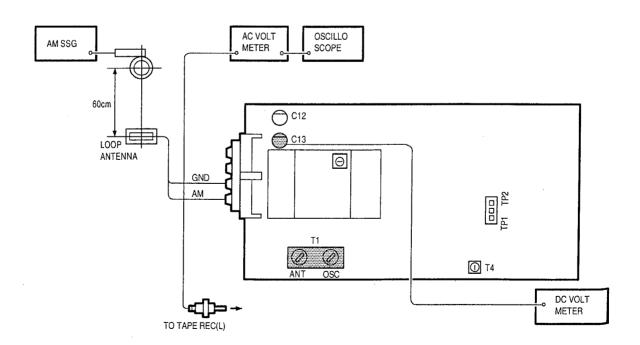
ADJUSTMENT

● TUNER SECTION CONNECTION DIAGRAM OF MEASURING INSTRUMENTS

• FM



AM



FM/MPX ALIGNMENT

	Remarks	Function : FM Mode : Auto
Adjust	Adjust to	± 50mV
AC	Points	T4
Output	Connect to	T.P. 1,2
ĵ	Туре	Digital Voltmeter
	Coupling	Antenna Terminal
	Modulation	None
Input	Input Level	60 dBµ
	Frequency	98.0 MHz (98.00)
	Туре	FM SSG
Tuning	Frequency	98.0MHz (98.00)
	Alignment	Tuning Center
	Step	-

() are Europe model.

AM ALIGNMENT

					
Remarks		Function : AM	Function : AM	Function : AM	Function : AM
Adjust	Adjust to	1.0 V ± 100mV	less than 9.0V (check the voltage)	Maximum Output	Maximum Output (check)
	Points	T1 (OSC)		T1 (ANT)	
Output	Connect to	Electric DC C13 (+ Side) Voltmeter GND	C13 (+ Side) GND	TAPE REC (L) -1	TAPE REC (C) -1
	Type	Electric DC Voltmeter	Electric DC Voltmeter	Audio V.M.	Audio V.M.
Input	Coupling	Loop Antenna	Loop Antenna	Loop Antenna	Loop Antenna
	Modulation	400 Hz 30%	400 Hz 30%	400 Hz 30%	400 Hz 30%
	Input Level	Input Level is not over to work A.G.C.			
	Frequency	520 KHz (522 KHz)	1710 KHz (1611 KHz)	600 KHz (603 KHz)	1400 KHz (1404 KHz)
	Type	AM SSG	AM SSG	AM SSG	AM SSG
Tuning	Frequency Setting	520 KHz (522 KHz)	1710 KHz (1611 KHz)	600 KHz (603 KHz)	1400 KHz (1404 KHz)
Alignment Item		Receiving Band Alignment		Tracking Alignment	
Step		-		N	

() are Europe model.

• Initiating (Memory clearing) Method

To clear memory contents of microcomputer and restore to the initial state, take the following steps;

- 1. Press power switch, turn off power of the unit, and set to standby mode.
- 2. Pull out power cord from wall outlet temporarily.
- 3. Insert power cord into outlet while simultaneously pressing two keys of AUDIO and VIDEO.
- 4. Press power switch to confirm that memory contents are cleared.

By completion of the above, the initial state is restored. In case the memory can not be cleared due to some reasons, repeat steps 1 through 3.

AUDIO SECTION

Idling Current (1U-2650-1)

Required measurement equipment: DC Voltmeter

Arrangement

(1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room temperature 15° C $\sim 30^{\circ}$ C. (59°F $\sim 86^{\circ}$ F).

(2) Presetting

• POWER (Power source switch)

MODE (Mode buttton)

• FUNCTION (Function button)

VOLUME (Volume control)

BASS, TREBLE (Tone control)

SPEAKERS (Speaker terminal)

→ OFF

→ BY PASS

 \rightarrow CD

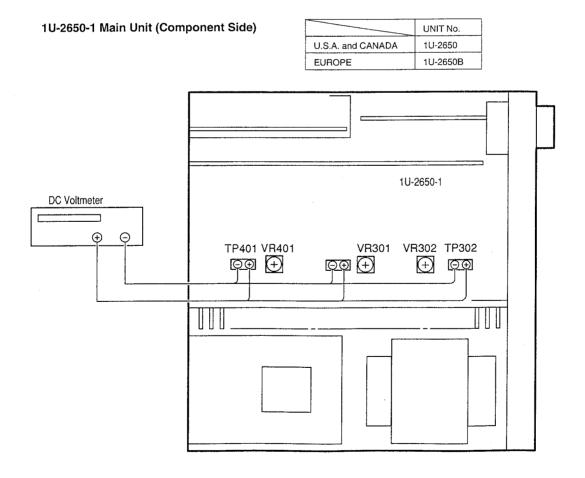
→ 0: fully counterclockwise (min.)

→ 0: (Controls to center)

→ No load (Do not connect speaker, dummy resistor, etc.)

Adjustment

- (1) Remove top cover and set VR401, VR301 and VR302 of 1U-2650-1 or 1U-2650B-1 (Main Unit) at counterclockwise fully.
- (2) Connect DC Voltmeter to test points (Lch T.P.302, Rch T.P.301, CENTER ch T.P.401).
- (3) Connect power cord to AC Line, and turn power switch "ON".
- (4) Allow 15 minutes, and turn VR301, VR302 and VR401 clockwise (\bigcirc) and adjust the TEST POINTS voltage to 1.5 mV \pm 0.5 mV DC.
- (5) After 2 minutes from preset, turn VR301, VR302 and VR401 to set the voltage to 3 mV \pm 0.5mV DC.



SEMICONDUCTORS

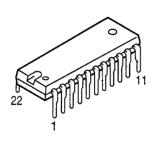
IC's

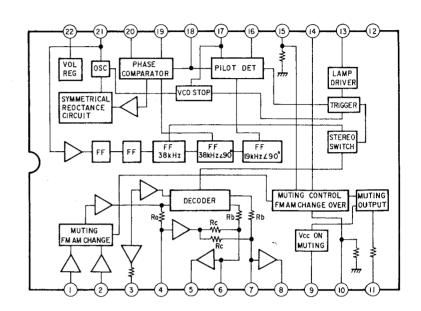
Note)

Indications before IC numbers denote P.W.B. Name.

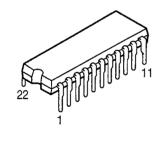
MA: Main Amp P.W.B. Unit RE: Rear Amp P.W.B. Unit SU: Surround P.W.B. Unit

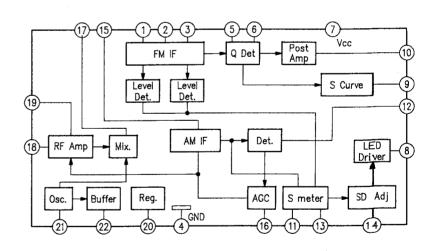
LA3401 (SU: IC002)





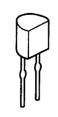
LA1265 (S) (SU: IC001)



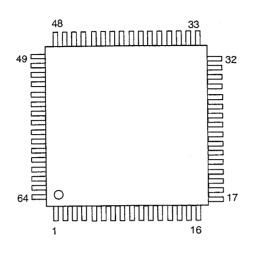


• IC PROTECTORS

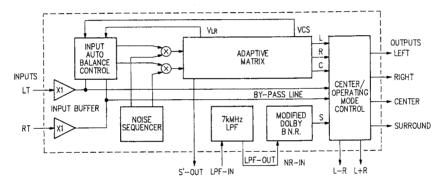




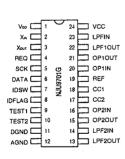
ICP-N15 (RE: IC552) ICP-N20 (RE: IC505, 506) NJM2177AF (SU: IC201)

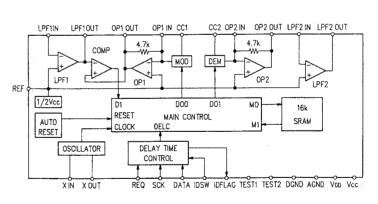


Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name
1	NC	23	NOISE-HPF	45	LPF-INV-IN
2	L-RECT-IC	24	NOISE-LPF	46	LPF-NINV-IN
3	R-BPF-OUT	25	S-OUT	47	NR-TC
4	R-BPF-IN	26	CENTER-CNT	48	NC
5	R-RECT-TC	27	MODE-CNT	49	NC
6	GND	28	L-OUT	50	VLR-TC3
7	AB-GATE	29	R-OUT	51	VCS-TC3
8	AB-HOLD-TC	30	L+R-OUT	52	VCS-TC2
9	L-AB-IN	31	L-R-OUT	53	VCS-TC1
10	L-AB-OUT	32	NC	54	VLR-TC1
11	L-IN	33	NC	55	VLR-TC2
12	L-INBUF-OUT	34	CENTER-MODE	56	S-RECT-OUT
-13	R-INBUF-OUT	35	Vcc	57	C-RECT-OUT
14	R-IN	36	C-OUT	58	R-RECT-OUT
15	R-AB-OUT	37	S'-OUT	59	L-RECT-OUT
16	NC	38	IREF	60	S-RECT-TC
17	NC	39	NR-VCF	61	C-RECT-TC
18	R-AB-IN	40	NR-IN	62	L-BPF-OUT
19	NOISE-CNT-E	41	VREF	63	L-BPF-IN
20	NOISE-CNT-A	42	VREF	64	NC
21	NOISE-CNT-B	43	NR-WT		
22	NOISE-REF	44	LPF-OUT		

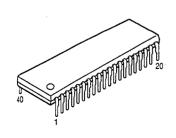


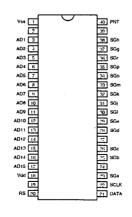
NJU9701G (SU: IC202)



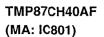


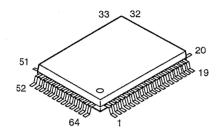
MSC1937-01 (RE: IC702)

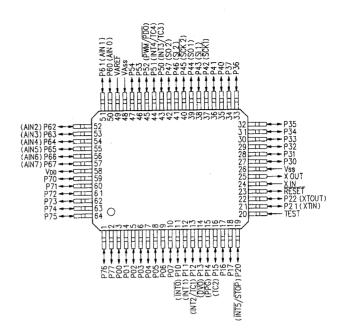




Pin No.	Terminal Function
1	Power Supply (+5V)
3	Digit 1 Output
ì	ì
17	Digit 17 Output
18	GND
19	
20	POWER-ON-RESET
21	Data Input
22	Shift Clock Input
23	Segment a Output
ì	ł
38	Segment h Output
39	_
40	POINT Output





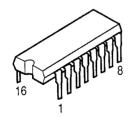


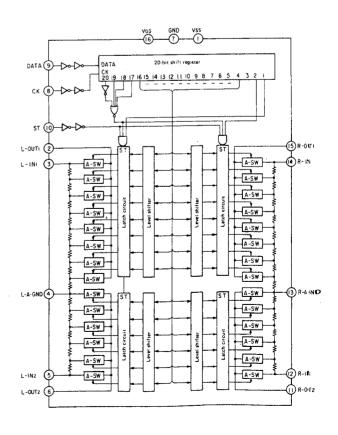
TMP87CH40AF Terminal Function

Pin No.	SYMBOL	Name	1/0	Det	Res	Ext	Ini	Function	
1	P76	ST/MONO	0	-	Z	-	Н	STEREO/MONO control signal ("L" at STEREO mode)	
2	P77	No connection	1	-	Z	GND	·_	No connection	
3	P00	Video Control A	0	-	Z	_	Н	Video input/output control ("L" at selection)	
4	P01	Video Control B	0	-	z	_	Н	Video input/output control ("L" at selection)	
5	P02	No connection	1	_	Z	GND	_	No connection	
6	P03	No connection	ı	-	Z ·	GND	-	No connection	
7	P04	СК	0	-	Z	-	Н	Serial delay time control output (NJU9701)	
8	P05	REQ	0	-	Z	-	Н	Delay time control output	
9	P06	DATA	0	-	Z	-	L	Serial delay time control output	
10	P07	SURR.	0	-	Z	_	Н	Rear signal control	
11	P10/INTO	Stop Power	I	Lv	Z	Pu	_	Stop power detect ("L"at stop power)	
12	P11/INT1	PROTECTION	I	E&L	Z	Pu	-	Protective input ("H" at protection)	
13	P12/INT2	L+R	0	-	Z	-	Н	Rear signal control	
14	P13/DV0	L-R	0	-	Z	-	Н	Rear signal control	
15	P14/PPG	CNT-E	0	-	Z	_	Н	Test tone control	
16	P15/TC2	CNT-A	0	-	Z	_	L	Test tone control	
17	P16	CNT-B	0	-	Z	_	L	Test tone control	
18	P17	NORMAL	0	-	Z	-	L	Center mode control	
19	P20/INT5	WIDE	0	_	Z	Pu	Н	Center mode control	
20	TEST		1	-	_	-	_	Connect to GND	
21	P21/XT1	BYPASS	0	_	Z	Pu	L	PRO LOGIC Change signal	
22	P22/XT0	PRO LOGIC	0	_	z	_	Н	PRO LOGIC Change signal	
23	RESET		i	-	-	_	-	Reset input	
24	XIN		~	-		-	_	Oscillate circuit (4MHz)	
25	XOUT		_	-	_	-	_	Oscillate circuit (4MHz)	
26	V _{SS}	GND	_	-	-	_	_		
27	P30	SP-FRONT	0	· <u>-</u>	Z	Pu	Н	Speaker relay control output	
28	P31	SP-REAR	0	-	Z	Pu	L	Speaker relay control output	
29	P32	SP-CENTER	0	-	Z	Pu	L	Speaker relay control output	
30	P33	H/P	0	-	Z	Pu	Н	Headphone relay control output	
31	P34	POWER	0	_	Z	Pu	L	Power relay control output ("L" at ON)	
32	P35	STANDBY-LED	0	-	Z	Pu	L	LED drive output for STANDBY indication ("L" at display lights	
33	P36	BYPASS	0	-	Z	Pu	L	PRO LOGIC change signal	
34	P37	No connection	I	_	Z	GND		No connection	
35	P40	VOL. UP	0	_	Z	Pu	L	Electrical volume control output (LB1639)	

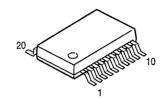
Pin No.	Symbol	Name	1/0	Det	Res	Ext	lni	Function	
36	P41	VOL. DOWN	0	-	z	Pu	L	Electrical volume control output (LB1639)	
37	P42/SCK1	СК	0	_	Z	Pu	L	Serial electrical volume control output (TC9176)	
38	P43/SI1	ST	0	-	Z	Pu	L	Electrical volume control output	
39	P44/SO1	DATA	0	-	Z	Pu	Н	Serial electrical volume control output	
40	P45/SCK2	FL-CK	0	_	Z	Pu	Н	Serial Liquid Crystal Display control output (MSC1937)	
41	P46/SI2	FL-RS	0	-	Z	Pu	L	Liquid Crystal Display control output	
42	P47/SO2	FL-DATA	0	_	Z	Pu	Н	Serial Liquid Crystal Display control output.	
43	P50/INT3	REMOTE	ı	E&L	Z	Pu	-	Remote control signal input	
44	P51/INT4	СК	0	_	Z	Pu	L	Serial surround control signal output (LC7822)	
45	P52/PWM	CE	0	-	Z	Pu	L	Surround control output	
46	P53	DATA	0	-	Z	Pu	L	Serial surround control output	
47	P54	No connection	1	-	Z	GND	-	No connection	
48	VASS	GND	_	-	-	_		Analog reference GND for A/D conversion	
49	VAREF	+5V	-	_	-	-	-	Analog reference voltage for A/D conversion. Connect to 5V	
50	P60/AIN0	KEY1	ı	Lv	Z	Pu	-	Button input	
51	P61/AIN1	KEY2	ı	Lv.	Z	Pu.	-	Button input	
52	P62/AIN2	KEY3	1	Lv	Z	Pu	-	Button input	
53	P63/AIN3	MODE	ı	Lv	Z	Pu	-	AVC/AVR change signal	
54	P64/AIN4	No connection	ı		Z	GND	-	No connection	
55	P65/AIN5	No connection	1	_	Z	GND	_	No connection	
56	P66/AIN6	No connection	ı		Z	GND	-	No connection	
57	P67/AIN7	No connection	ı	-	Z	GND	-	No connection	
58	VDD	+5V	_	-	_	_	-	Connect to 5V	
59	P70	СК	0	-	Z	_	L	Serial control output (LM7001)	
60	P71	DATA	0	-	Z	_	L	Serial control output (LM7001)	
61	P72	ST	0		Z		L	latch control	
62	P73	TUNER MUTE	0	-	Z	_	Н	Mute output ("H" at muting)	
63	P74	TUNED SIGNAL	ı	Lv	Z	Pu	_	Synchronous detect ("L" at synchronous)	
64	P75	STEREO SIGNAL	I	Lv	Z	Pu	_	"L" at stereo receive mode	

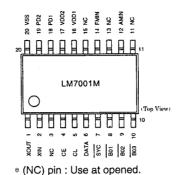
TC9176P (SU: IC262)

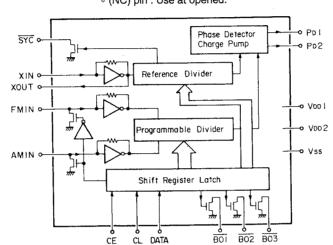




LM7001M (SU: IC003)







Terminal Description

SYC

: Clock for controller (400 kHz)

XIN, XOUT

: X'tal OSC (7.2MHz)

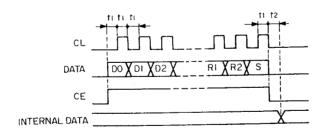
FMIN, AMIN : Station oscillation signal input.

V_{DD}1, V_{DD}2, V_{SS}: Power supply. (V_{DD}2 is for back-up)

P_D1, P_D2

: Charge pump output.

Data input



 $t1 > 1.5 \mu s$ (X'tal at 7.2MHz) $t2 < 1.5 \mu s$

	Input fr																					
D0 D1	D2 D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	ТО	T1	В0	В1	B2	TB	R0	R1	R2	S	

(1) D0 (LSB)~D13 (MSB) :Frequency dividend data For FMIN, use D0~D13; for AMIN, use D4~D13.

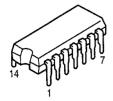
i iaiii	v, us	000	. تا - ر	ιο, ιο	, ,	,							
D0	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13
1	0	1	0	0	0	0	0	0	1	0	1	1	1
LSB											,		MSB
×	×	×	×	0	0	0	0	0	1	0	1		1
				LSB									MSB

→ FMIN Frequency dividend number = 14853

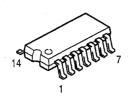
→ AMIN Frequency dividend number = 928

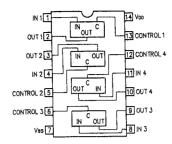
(2) T0, T1: For test of LSI(0,0)



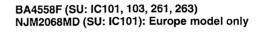


BU4066BCF (SU: IC203, 205)

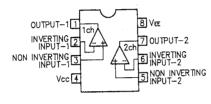




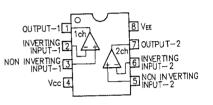
BA4558 (MA: IC451)





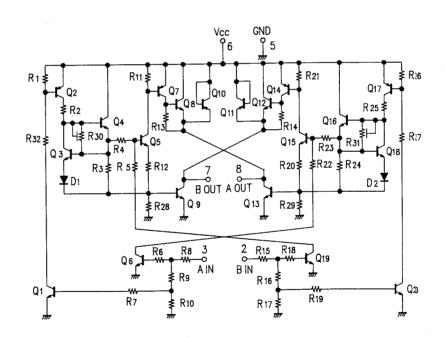




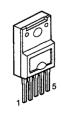


BA6208F (SU: IC264)





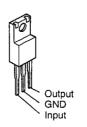
SI-18752 (RE: IC501, 502)



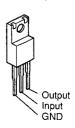
2. -IN

3. –V_{EE} 4. Output 5. +Vcc

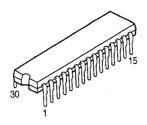
NJM7806FA(S) (RE: IC551) NJM7812FA(S) (RE: IC503)

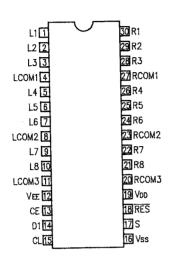


NJM7912FA (RE: IC504)



LC7822 (SU: IC102)





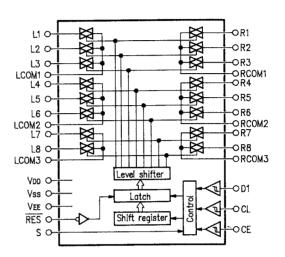
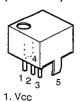


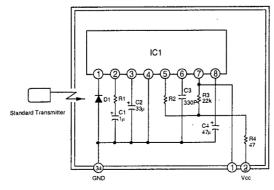
Table of LC7822 Terminal Function

Name of Terminal	1/0	Equivalent Internal Circuit	Function of Terminal									
VDD, VSS, VEE			Power terminal.									
L1 ~ L8, R1 ~ R8 LCOM1 ~ LCOM4, BCOM1 ~ BCOM4		Refer to block diagram	In/Out terminal of analog	In/Out terminal of analog switch.								
CL, DI, CE	1		Serial data input terminal (Schmidt buffer). CL = Clock input terminal. DI = Data input terminal. CE = Chip enable terminal.									
			Selection terminal for using of two. Address will be shifted as per below table when switching S terminal to L or H. Address									
S	ı		Name of Item	S Terminal	A0	A1	A2	A3				
			1.07000	L	0	1	0	1				
			LC7822	Н	1	1	0	1				
RES			Reset terminal. Condition of analog switch is not fixed at the time of turning on the power. When shift this termnal to L, all analog switches become OFF.									

SBX1610-52 (Remote Control Receiver) (RE: IC701)



- 2. Output
- 3. GND
- 4. Case fin
- 5. Case fin



IC1 : CX20106A chip D1 : Pin photodiode chip

C1, C2, C4 : Aluminum electrolytic capacitor

СЗ : SL characteristic ±5% R1 : Gain control resistor

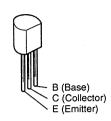
: fo control resistor (using ± 1%)

R (Other than above items)

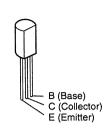
: ± 5%

• TRANSISTORS

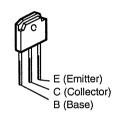
2SA970 (BL) 2SA988 (E/F) 2SC1015 (GR) 2SC1815 (Y),(BL) 2SC1841 (E/F) 2SC2878 (A/B)



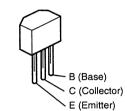
2SB647A (C) 2SB1041 (R) 2SD1292 (R) 2SD667A (C)



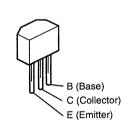
2SA1490 (O/P/Y) (Z) 2SC3854 (O/P/Y) (Z)



2SA933S (R) 2SC1740S (E)

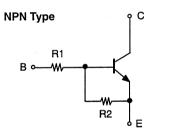


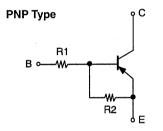
DTA143ES DTC143ES



DTC143ES

DTA143ES





	R1	R2
DTC143ES	4.7 kohm	4.7 kohm

	R1	R2			
DTA143ES	4.7 kohm	4.7 kohm			

PNP Type

2SK209 (Y/GR)

2SC2412K (S) 2SC2712 (Y/GR) 2SC2996 (Y)

RN2402 DTA114TK DTA144EK DTC144EK

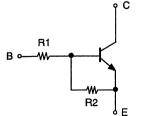
DTC144EK DTC144TK DTC323TK

RN2402 DTA144EK DTA114TK

DTC144TK DTC323TK



NPN Type



R1 B •	

2SK211 (Y/GR)

2 : Source

3: Gate

1 : Drain 1 : Emitter

2 : Base 3 : Collector

1 : Gate

2 : Drain

3 : Source

1: GND/Emitter 2: Out/Collector 3 : In/Base

	R1	R2		
DTC144EK	47 kohm	47 kohm		
DTC144TK	47 kohm	_		
DTC323TK	2.2 kohm	_		

	R1	R2
RN2402	47 kohm	47 kohm
DTA144EK	47 kohm	47 kohm
DTA114TK	10 kohm	

• DIODES (included LED)

1SS252 1S2471

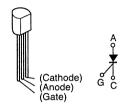
HZS3C-1 HZS9A-1 HZS6B-1 HZS12A-1 HZS7C-1 HZS12B-1 HZS7B-1

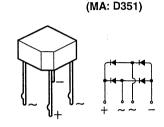




1SR35-200A

SF0R1A42 (Thyristor)



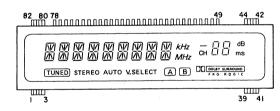


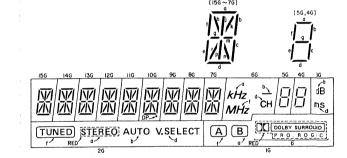
S4VB20F (RE: D502)

SEL1210S (Red) (RE: LD701) Long (Anode) Short (Cathode)

• FL DISPLAY FIP14PM8

(Part No.: 3934131000)(FL701)





11	21	31	41	51
12	22	32	42	52
13	23	33	43	53
14	24	34	44	54
15	25	35	45	55
16	26	36	46	56
17	27	37	47	57

 5×7 Dot inner connections

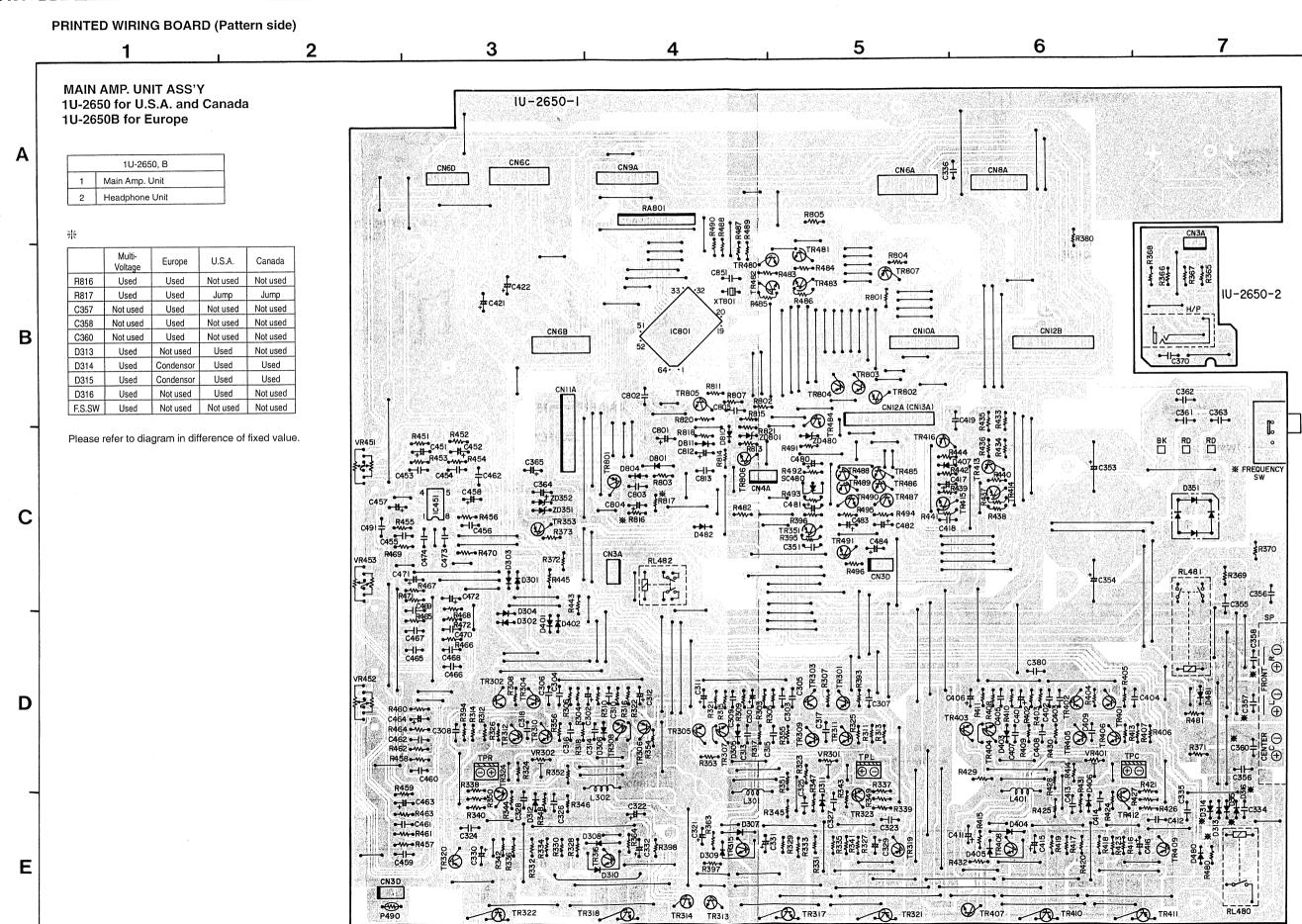
(OFFER)																				
TERMINAL No. ELECTRODE	82 F1	81 F1	80 F1	79 NP	78 P DP	77 P h	76 P g	75 P r	74 P p	73 P n	72 P m									
TERMINAL No. ELECTRODE	71 P k	70 P i	69 P f	68 P e	67 P d	66 P c	65 P b	64 P a	63 15G	62 14G	61 13G	60 12G	59 11G	58 10G	57 9G	56 8G	55 7G	54 6G	53 5G	52 4G
TERMINAL No. ELECTRODE				-							51 3G	50 2G	49 1G	48 NP	47 NP	46 NP	45 NP	44 F2	43 F2	4-2 F-2

(LOWER)																				
TERMINAL No. ELECTRODE									(27)	(37)	32 NP (47)	33 NP (57)	34 NP	35 NP	36 NP	37 NP	38 NP	39 F2	40 F2	4-1 F-2
TERMINAL No. ELECTRODE	12 NP	13 NP	14 NP	15 NP	16 NP	17 NP	18 NP	19 NP	20 NP	21 NP	22 NP	23 NP	24 NP	25 NP	26 NP	27 NP	28 NP	29 NP	30 NP	31 NP
TERMINAL No.	1 51	2	3	4 NP	5 NP	6 NP	7 NP	8 NP	9	10 NP	11 NP	12								

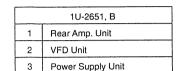
Notes: F: Filament

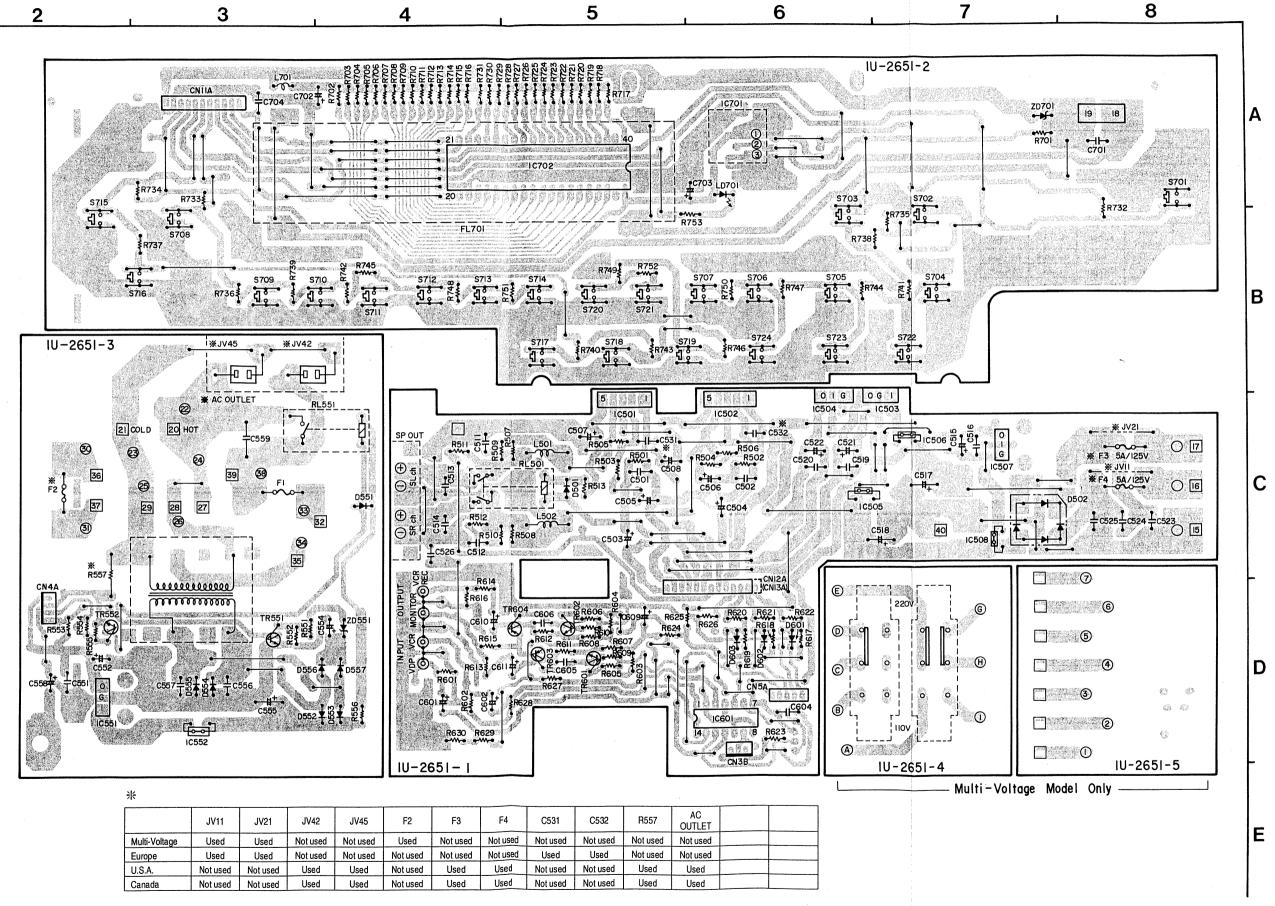
G: Grid P: Anode

45



REAR AMP. UNIT ASS'Y 1U-2651 for U.S.A. and Canada 1U-2651B for Europe





Please refer to diagram in difference of fixed value.

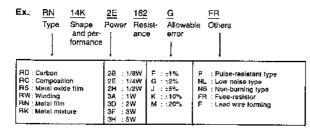
	12	. 3	4	5	6	7	8
A	SURROUND UNIT ASS'Y 1U-2652 for U.S.A. and Canada 1U-2652B for Europe 1U-2652, B 1 Surround Unit 2 Volume Unit	PHONO R 27102 B	CIO3 CIO9	C229 C2	C220 C20 C20 C20 C20 C20 C20 C20 C20 C20	1U-2652-1 239 C225 14 8 C225 15 C225	
В	Multi-Voltage Europe U.S.A. Canada TR1 Not used Used Not used Used J4 Used Not used Used Used Used Used Used Used Used J5 Used Not used Used Used Used J6 Used Not used Used Used Used J101 Used 4.7k Used Used J102 Used 4.7k Used Used J200 Not used Used Not used Not used C2 Not used Used Not used Not used C6 Not used Used Not used Not used C6 Not used Used Not used Not used C23 Used Not used Used Used Used		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C201 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		C216 C250	
С	C26 Not used Used Not used Not used C121 Not used Used Not used Not used C122 Not used Used Not used Not used C123 Not used Used Not used Not used C124 Not used Used Not used Not used C125 Not used Used Not used Not used C126 Not used Used Not used Not used C127 Not used Used Not used Not used C128 Not used Used Not used Not used C128 Not used Used Not used Not used C147 Not used Used Not used Not used C148 Not used Used Not used Not used C148 Not used Used Not used Not used	OL STANK STA	S S C C C C C C C C C C C C C C C C C C	CN6A	CN8A TR3 TR4 ED O O O O O O O O O O O O O	CN6B SOURCE STATE CIS TRES	
D	C281 Not used Used Not used Not used C282 Not used Used Not used Not used R2 Not used Used Not used Not used R4 Not used Used Not used Not used R6 Not used Used Not used Not used R50 Used Not used Used Used Used R71 Not used Used Not used Not used R72 Used Not used Used Used R80 Used Not used Used Used R81 Not used Used Not used Not used R82 Used Not used Used Not used R82 Used Not used Used Used R93 Not used Used Not used R93 Not used Used Not used R94 Not used Used Not used LF1 Not used Used Not used LF2 Not used Used Not used LF2 Not used Used Not used LF3 Not used Used Not used LF4 Not used Used Not used LF5 Not used Used Not used LF6 Not used Used Not used LF7 Not used Used Not used LF8 Not used Used Not used LF9 Not used Used Not used	C264 C268 C262 C262 C262 C263 C263 C263 C263 C267 C261 C263 C263 C263 C263 C263 C263 C263 C263	CN6C C274. # 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	C62	C28#	20 R44 F RIS	
E	LF101 Not used Used Not used Not used LF102 Not used Used Not used Not used Please refer to diagram in difference of fixed value.	C276 1 C264 5 - 8 - 8 - 8 - 8 - 8 - 8 - 8 - 8 - 8 -	Sch Sch	© 1101 C/8 C/81 C/54 C/53 C/9 1,024 C/85 1	CF2 RIO R CF1 RIO R RIO R CF1 RIO R RI	OSC BLI	

NOTE FOR PARTS LIST

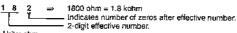
- Part indicated with the mark * " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "!" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.) WARNING:

Parts marked with this symbol 🛕 🜇 have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

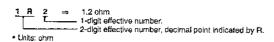
Resistors



* Resistance



- Units: ohm

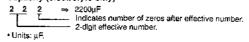


4.4 (1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4

Capacitors

Ex.: CE 04W Type Shape and per formane	1H Dielectric strength		lowable Others
GE : Aluminum foll electrolytic	0J : 6.3V	F : +1%	HS : High stability type
CA : Aluminum solid electrolytic	1A : 10V	G : ±2%	BP : Non-polar type
CS : Tantalum electrolytic	10 : 16V	J:±5%	HR : Ripple-resistant type
CQ ; Film	1E :25V	K : ±10%	DL : For charge and discharge
CK : Ceramic	1V : 35V	M ; ±20%	HF : For assuring high frequency
CC : Ceramic	1H : 50V	Z :+80%	U : UL peri
CP : Qil	2A : 100V	-20%	C : CSA part
CM : Mice	2B : 125V	P :+100%	W : UL-CSA type
GF : Metallized	2C : 160V	-0%	F : Lead wire forming
GH : Metallized	2D : 200V	C: ±0.25pF	
	2E : 250V	D : +0.5pF	
	2H : 500V	- : Others	
	2.J : 630V	l	

* Capacity (electrolyte only)



* Capacity (except electrolyte)

 When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

P.W.B. ASS'Y PARTS LIST 1U-2650 MAIN UNIT ASS'Y (U.S.A. and Canada models)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS			<u> </u>	241 2375 907	Carbon Film 10ohm 1/4W(NB)	RD14B2E100JNBS
		IC 8A4558		F-137 - 12 / / / / / /	241 2380 963	Carbon Film 2.2kohm 1/4W(NB)	
IC451 IC801	263 0322 004 262 1876 006		tt-com	∆ \ R409	241 2377 976	 To May To Table 1 to A strategy of the control of the	RD14B2E131JNBS
10001	202 1870 000	10 TWE 01 OT 1401 -4000	A 50111	№ R413	241.2315.967	Fusible 68ohm 1/4W(NB)	RD14B2E680GFRS
TB301~304	271 0094 919	Transistor 2SA970(BL)		<u> </u>	241 2378 920	Carbon Film 220ohm 1/4W(NB) Metal Oxide 0.22ohm 1W(NB)	RD14B2E221JNBS RS14B3AR22JNBS(S)
TR305,306	271 0131 924	Transistor 2SA988(E/F)		⚠ F417-420	244 2043 982	Carbon Film 2kohm 1/4W(NB)	RD14B2E202JNBS
	273 0235 923	Transistor 2SC1841(E/F)		A B423,424	241 2380 950 244 2051 987	Matal Oxide 4.7ohm 1W(NB)	RS14B3A4R7JNBS(S)
	273 0198 002	Transistor 2SC1815(Y)		<u> </u>	241 2377 976	Carbon Film 180ohm 1/4W(NB)	RD14B2E131JNBS
-	274 0060 900	Transistor 2SD667A(C)	İ	A R433~436	244 2043 982	Metal Oxide 0.22ohm (W(NB)	RS14B9AR22JNBS(S)
TR319,320	272 0053 908	Transistor 2SB647A(C)		/A R480,481	241 2387 908	Carbon Film 1ohm 1/4W(NB)	RD14B2E010JNBS
TR323,324	273 0235 923	Transistor 2SC1841(E/F)		/A R482	244 2051 974	Metal Oxide 1kohm 1W(NB)	RS14B3A102JNBS(S)
TR351	271 0131 924	Transistor 2SA988(E/F)		A R491	244 2050 988	Metal Oxide 2kohm 1W(NB)	RS14B3A202JNBS(S)
TR353	272 0131 901	Transistor 2SB1041(R)		⚠ R803	241 2387 940	Carbon Film 4.7ohm 1/4W(NB)	RD14B2E4R7JNBS
TR401,402	271 0094 919	Transistor 2SA970(BL)		211	- 11 - 12 - 12 - 12 - 12 - 12 - 12 - 12	Manager and a more mentioning	A water to read with the care will be
TR403	271 0131 924	Transistor 2SA988(E/F)	ļ	VR301,302	211 6047 023	Semi Fixed Resistor 4.7kohm	V06P8472
TR404~406	273 0235 923	Transistor 2SC1841(E/F)	i	VR401	211 6047 023	Semi Fixed Resistor 4.7kohm	V06PB472
TR407	273 0198 002	Transistor 2SC1815(Y)		VR451	211 0798 103	Variable Resister 100kohm	Balance
TR408	274 0060 900	Transistor 2SD667A(C)		VR452	211 0797 117	Variable Resister 30kohm	Bass
TR409	272 0053 908	Transistor 2SB647A(C)		VR453	211 0797 104	Variable Resister 5kohm	Treole
TR412	273 0235 923	Transistor 2SC1841(E/F)]			
TP413,414	271 0131 924	Transistor 2SA988(E/F)		RA801	246 2067 003	Resister Array 4.7kohmx11	RK99≈≈472JP1
TR415	273 0235 923	Transistor 2SC1841(E/F)					ĺ
TR416	271 0131 924	Transistor 2SA988(E/F) Transistor 2SC1740S(E)		CABACIT	ORS GROU	p	
1	273 0388 906	Transistor 2SA933S(S)		CAPACIT	1		I
TR486	271 0192 905 273 0388 906	Transistor 2SA9333(5) Transistor 2SC1740S(E)		C301,302	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
TR487	273 0388 906	Transistor 2SA933S(S)		C303,304	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
TR489 TR490	273 0388 906	Transistor 2SC1740S(E)		C305,306	253 1179 945	Ceramic 220pF/50V	CK45B1H221K
	3: 269 0022 904	Transistor DTA143ES	Built in Resistor	C307.308	255 1264 966	Plastic Film 0.0033µF/50V	(CQ93M1H332J(B)
TR805	273 0388 906	Transistor 2SC1740S(E)	Bunt Int - 100.000	C309,310	253 4536 954	Ceramic 16pF/50V	CC45SL1H16GJ
TR806	269 0018 905	Transistor DTC143ES	Built in Resistor	C311,312	254 4256 952	Electrolytic 220µF/25V	CE04W1E221M
TR807	269 0022 904	Transistor DTA143ES	Built in Resistor	C313-316	255 1264 908	Plastic Film 0.001 µF/50V	CO93M1H102.(B)
111007	203 0022 007	Transition & Miles		G317,318	253 4476 904	Geramic 18pF/500V	CC45SL2H18CJ CE04W1H010M
D301~306	276 0616 907	Diode 1SS252		C321,322	254 4260 948	Electrolytic 1µF/50V	CK45B2H221K
D307~310	276 0619 904	Diode 1S2471		C323,324	253 1128 909	Ceramic 220pF/500V	CF93A1H104J
D311-316	276 0616 907	Diode 1SS252		C325,326	256 1034 979	Metalized 0.1µF/50V Plastic Film 0.01µF/50V	CQ93M1H103.(B)
A DOST	276 0305 001	Diode 84VB20	Bridge	C327,328	255 1265 936	Electrolytic 4.7µF/63V	CE04W1J4R7M
D401-403	276 0616 907	Diode 1SS252		C329-332	254 4262 904 253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z
D404,405	276 0619 904	Diode 1 \$2471		C334,335		Plastic Film 0.01 µF/50V	CQ93M1H103.(B)
D406,407	276 0616 907	Diode t\$\$252		C351 C353,C354	255 1265 936 254 4349 717	Electrolytic 5600µF/56V	CE04W==562MC(DL)
D480~482	276 0616 907	Diode 1SS252		C355,356	256 1034 979	Metalized 0.1 µF/50V	CF93A1H104J
D801	276 0619 904	Diode 1S2471		C359	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J
D804	276 0616 907	Diode 1SS252		C363	256 1042 903	Metalized 0.1µF/250V	: CF93A2E104K
D810,811	276 0616 907	Diode 1SS252		C364,365	254 4260 948	Electrolytic 1µF/50V	CE04W1H0101
ł				C370	253 9038 907	BC Ceramic 0.47µF/50V	CK45=1H473Z
ZD351.352		Zener Diode HZS12A-1	12V	C380	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
ZD480	276 0466 908	Zener Diode HZ\$7C-1	7V	C401	254 4254 909	Electrolytic 10µF/16V	CE04W1C1001
ZD801	276 0454 907	Zener Diode HZS3C-1	3V :	C402	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
				C403	253 1179 945	Ceramic 220pF/50V	CK45B1H221K
SC480	279 0016 904	Thyrister SF0R1A42		C404	255 1264 966	Plastic Film 0.0033µF/50V	CQ93M1H332.(B)
	<u> </u>			C405	253 4536 954		CC45SL1H16W
RESISTO	RS GROUP	(Not included Carbon Fil	m ±5% 1/4 W Type.	C406	254 4256 952	Etectrolytic 220µ F/25V	CE04W1E221N
		ic Diagram for those Par		C407,408	255 1264 908	Plastic Film 0.001 uF/50V	CQ93M1H102(B)
4 3 5 7 7 7			4	C409	253 4476 904		CC45SL2H180J
	241 2380 963	Carbon Film 2.2kohm 1/4W(NB)		C411	254 4260 948		CE04W1H010%
<u> </u>	241 2377 976		RD14B2E131JNBS	C412	253 1128 909		CK45B2H221K
⚠ R325,326	241 2315 967		RD14B2E680GFRS	C413	256 1034 979	1	CF93A1H104J
<u> </u>	241 2378 920			C414	255 1265 936	1 <u>-</u>	CQ93M1H103(B)
<u> </u>	ALC: 12 1 1 1 1 1	Metal Oxide 0.22ohm 1W(NB)	RS1483AR22JNBS(S)	C415,416	254 4262 904		CE04W1J4R7k
<u> </u>	24 A.S. C.		RD14B2E202JNBS	C417	254 4258 918		CE04W1V100V
⚠ R345,346	244 2051 987	Metal Oxide 4,7ohm (W(NB)	RS14B3A4R7JNBS(S)	C418,419	255 1265 936		CQ93M1H103(B)
A R355.356	241 2377 976			C421,422	254 4254 909	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	CE04W1C1001
⚠ R365-368	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		RS14B3A221JNBS(S)	C451,452	254 4254 909		CE04W1C1001
⚠ R369–371	244 2051 987	Metal Oxide 4.7ohm 1W(NB)	RS14B3A4R7JNBS(S)	C453-456	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
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L	<u> </u>	<u></u>	<u></u>		<u> </u>		<u></u>

1U-2650B MAIN UNIT ASS'Y (Europe model) [Same as 1U-2650 (for U.S.A. and Canada models) except the followings.]

Ref. No.	Part No.	Part Name	Remarks	
C457,458	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	
C459,460	255 1264 908	Plastic Film 0.001 u F/50V	CQ93M1H102J(B)	
C461,462	256 1034 995	Metalized 0.15uF/50V	CF93A1H154J	
C463,464	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C465,466	255 1264 937	Plastic Film 0.0018µF/50V	CQ93M1H182J(B)	
C467,468	255 1265 949	Plastic Film 0.012µF/50V	CQ93M1H123J(B)	
C469,470	256 1034 953	Metalized 0.068µF/50V	CF93A1H683J	
C469,470 C471,472		'	CE04W1HR47M	
	254 4260 935	Electrolytic 0.47µF/50V BC Ceramic 0.047µF/50V	CK45=1H473Z	
C473	253 9038 907			
C474	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(8)	
C480	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M	
C481	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	
C482	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	
C801	254 4250 783	Electrolytic 3300µF/6.3V	CE04W0J332MC	
C802,803	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	
C804	254 4250 932	Electrolytic 220µF/6.3V	CE04W0J221M	
C805	256 1034 982	Metalized 0.12µF/50V	CF93A1H124J	
C812	254 4258 905	Electrolytic 4.7µF/35V	CE04W1V4R7M	
C813	255 1265 936	Plastic Film 0.01µF/50V	CQ93M1H103J(B)	
0010	200 1200 300	T Idatio T IIIT 0.0 (p. 100)	C G G G G G G G G G G G G G G G G G G G	
OTHER C	ROUP			Q'ty
	_	(P.W.Board)		1
L301,302	235 0104 007	Inductor 1µH		2
L401	235 0104 007	Inductor 1µH		1
RL480	214 0167 005	Relay(G5Z-2A)		1
FIL481	214 9003 005	Relay		1
				1
RL482	214 0162 000	Relay(A12W-K)		'
XT801	399 0191 903	Ceramic Resonator	CST4.00MGW19MGW	1
	204 8354 004	Headphone Jack		
	205 0846 005	6P Push Terminal	i Front	1
	205 0255 007	Terminal	f	3
	203 0233 007	161111111111111111111111111111111111111		ľ
	415 0309 013	P.V.C. Tube(L=10)		6
T P	205 0190 036	3P NH Conn. Base		3
CN3A	205 0343 032	3P Conn. Base(KR-PH)		2
	1			1
CN4A	205 0343 045	4P Conn. Base(KR-PH)		
CN11A	205 0375 013	11P Conn. Base(KR-PH)		1
CN6A	205 0696 064	JL Connector(BT-E)		1
CN6B	205 0696 064	JL Connector(BT-E)		1
CN6C	205 0696 064	JL Connector(BT-E)		1
CN6D	205 0330 003	6P MQ-ST Conn. Base	:	1
CN8A	205 0330 029	8P MQ-ST Conn. Base	1	1
CN9A	205 0330 045	9P MQ-ST Conn. Base		1
CN10A	205 0330 058	10P MQ-ST Conn. Base		1
	1	· ·		1
CN12A	205 0375 026	12P Conn. Base(KR-PH)		
CN12B	205 0330 016	12P MQ-ST Conn. Base		1
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Ref. No.	Part No.	Part Name	Remarks
SEMICON	IDUCTORS		
D313-316	276 0616 907	Diode 1SS252	Delete
CAPACIT	ORS GROU	<u> </u>	
C314	253 1146 907	Ceramic 0.01μF/50V	Add
C316 C357,358	253 1146 907 255 1264 982	Ceramic 0.01µF/50V Plastic Film 0.0047µF/50V	Add Add
C360	255 1264 982	Plastic Film 0.0047μF/50V	Add

1U-2651 REAR AMP. UNIT ASS'Y (U.S.A. and Canada models)

Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS		
IC501,502	263 0855 005	IC SI-18752	•
IC503	263 0801 004	IC NJM7812FA(S)	Regulator +12V
1C504	263 0641 002	IC NJM7912FA	Regulator –12V
IC505,506	268 0074 904	IC ICP-N20	IC Protector 20V
IC551	263 0793 002	IC NJM7806FA(S)	Regulator +6V
IC552	268 0073 905	IC ICP-N15	IC Protector 15V
IC601	262 1873 009	IC BU4066BC	
IC701	499 0150 008	IC SBX1610-52	Remocon Receiver
IC702	262 1564 004	IC MSC1937-01	µ-com
TR551,552	273 0388 906	Transistor 2SC1740S(E)	
TR601,602	273 0198 918	Transistor 2SC1815(BL)	
TR603,604	271 0102 924	Transistor 2SA1015(GR)	
TR605	269 0018 905	Transistor DTC143ES	Built in Resistor
D501	276 0616 907	Diode 1SS252	
À D502	276 0305 001	Diode SAVB20	Bridge
D551	276 0616 907	Diode 1SS252	
D552~557	276 0553 905	Diode 1SR35-200A	
D601~603	276 0616 907	Diode 1\$\$252	
			l 1
ZD551	276 0465 909	Zener Diode HZS7B-1	7V
ZD701	276 0467 907	Zener Diode HZS9A-1	9V
LD701	393 9434 906	LED SEL1210S	Red
FL701	393 4131 000	FLD Ass'y FIP14PM8	
		(Not included Carbon Film ic Diagram for those Parts	
Refer to	244 2051 987	ic Diagram for those Part	s.) RS14B3A4R7JNBS(S
Refer to A R509,510 R513	244 2051 987 241 2387 908	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1chm 1/4 W(NB)	s.)
Refer to A R509,510 A R513 A R556	244 2051 987 241 2387 908 241 2375 978	ic Diagram for those Part: Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB)	S.) RS14B3A4F7JNBS(S RD14B2E010JNBS RD14B2E200JNBS
Refer to A R509,510 A R513 A R556 A R557	244 2051 987 241 2387 908 241 2375 978 242 0073 000	ic Diagram for those Part: Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1chm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W	s.) RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907	ic Diagram for those Parts Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB)	s.) RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625	244 2051 987 241 2387 908 241 2375 978 242 0073 000	ic Diagram for those Part: Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1chm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625	the Schemat 244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB)	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E100JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626	the Schemat 244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908	Metal Oxide 4.7 ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Composit 2.2 Mohm 1/2W Carbon Film 10 ohm 1/4 W(NB) Carbon Film 10 ohm 1/4 W(NB) Carbon Film 10 hm 1/4 W(NB) Carbon Film 4.7 ohm 1/4 W(NB)	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E100JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACII	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 908	Metal Oxide 4.7 ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Composit 2.2 Mohm 1/2W Carbon Film 10 ohm 1/4 W(NB) Carbon Film 10 ohm 1/4 W(NB) Carbon Film 10 hm 1/4 W(NB) Carbon Film 4.7 ohm 1/4 W(NB)	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E100JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 241 2387 940	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB)	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RO05GF2H225K RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACIT C501,502 C503,504	244 2051 987 241 2987 908 241 2987 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Composit 2.2Mhm 1/2W Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB)	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACII C501,502	244 2051 987 241 2987 908 241 2987 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB)	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E4R7JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACIT C501,502 C503,504 C505,506	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4254 938	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2μF/50V Electrolytic 47μF/16V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACIT C501,502 C503,504 C507,508	244 2051 987 241 2987 908 241 2987 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4254 938 254 4260 948	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RC05GF2H225K RD1482E100JNBS RD1482E4R7JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H2R0M
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACIT C501,502 C503,504 C507,508 C511,512	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4264 938 254 4260 948 256 1034 979	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RC05GF2H225K RD1482E100JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACIT C501,502 C503,504 C507,508 C511,512 C513,514	244 2051 987 241 2387 908 241 2387 97 241 2387 97 242 2073 000 241 2375 907 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4260 948 256 1034 979 253 1146 907	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3.300µF/35V Ceramic 0.01µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACIT C501,502 C503,504 C507,508 C511,512 C513,514 C517,518	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4254 938 254 4254 938 256 1034 979 253 1146 907 254 4259 713	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC
Refer to ↑ R509,510 ↑ R513 ↑ R556 ↑ R557 ↑ R624 ↑ R625 ↑ R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,516 C519,520	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4254 938 254 4269 948 256 1034 979 253 1146 907 254 4259 713 253 1146 907	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3.300µF/35V Ceramic 0.01µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACII C501,502 C503,504 C505,506 C511,512 C513,514 C517,518 C519,520 C521,522	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUS 253 1179 903 254 4260 951 254 4254 938 254 4264 938 256 1034 979 253 1146 907 254 4258 918	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 11µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACIT C501,502 C503,504 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU! 253 1179 903 254 4260 951 254 4260 951 254 4264 938 256 1034 979 253 1146 907 254 4258 918 256 1042 903	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 908 241 2387 940 CORS GROUJ 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4258 918 256 1042 903 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 254 4254 909	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1C470M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C526 C551 C552 C554	244 2051 987 241 2387 908 241 2387 978 242 0073 000 241 2387 908 241 2387 908 241 2387 908 241 2387 908 241 2387 940 CORS GROUJ 253 1179 903 254 4260 951 254 4269 948 256 1034 979 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4259 918 253 1146 907 254 4259 918 256 1042 903 253 1146 907 254 4254 909 254 4254 909 254 4259 948	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V	S.) RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E100JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C519,520 C521,522 C526 C551 C552 C554 C555	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 908 241 2387 940 CORS GROUJ 253 1179 903 254 4260 951 254 4269 948 256 1034 979 253 1146 907 254 4259 918 256 1042 903 253 1146 907 254 4259 918 253 1146 907 254 4259 918 253 1146 907 254 4259 918 253 1146 907 254 4259 918 253 1146 907 254 4259 918 253 1146 907 254 4254 909 254 4254 909 254 4256 790	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 2200µF/25V	S.) RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RO5GF2H225K RD1482E100JNBS RD1482E010JNBS RD1482E010JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CC604W1C100M CE04W1C100M CE04W1C100M
Refer to R509,510 R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C524 C526 C551 C552 C554 C555 C556,557	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4259 713 253 1146 907 254 4254 909 254 4254 909 254 4256 790 254 4256 790 253 1146 907 254 4256 790 254 1256 790 253 1146 907	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 2200µF/25V Ceramic 0.01µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z
Refer to ↑ R509,510 ↑ R513 ↑ R556 ↑ R557 ↑ R624 ↑ R625 ↑ R626 CAPACII C501,502 C503,504 C507,508 C511,512 C513,514 C517,518 C519,520 C524 C526 C551 C552 C554 C555 C556,557	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4254 938 254 4254 938 254 4259 713 253 1146 907 254 4259 918 256 1042 903 253 1146 907 254 4254 909 254 4254 909 254 4256 790 254 4256 790 253 1146 907 254 4256 790 254 4256 790 253 1146 907 254 4256 790 253 1146 907 254 4256 948	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1 ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 1.0hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 14µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 10µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4B7JNBS RD14B2E4B7JNBS RD14B2E4B7JNBS RD14B2E4B7JNBS RD14B2E4B7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M
Refer to	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4254 938 254 4254 938 254 4259 713 253 1146 907 254 4259 713 253 1146 907 254 4259 713 253 1146 907 254 4259 918 256 1042 903 253 1146 907 254 4254 909 254 4256 790 254 4256 790 253 1146 907 254 4256 790 253 1146 907 254 4256 790 253 1146 907 254 4256 948 253 8014 702	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 1.0hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1H010M CE04W1E222MC CK45F1H103Z CE04W1H010M
Refer to A R509,510 A R513 A R556 A R556 A R626 CAPACII C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C524 C526 C551 C552 C554 C555 C556,557 C558 A C559 C601,602	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4254 938 254 4254 938 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4256 948 254 4256 790 254 4256 948 253 8014 702 254 4252 927	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 12µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 47µF/10V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CE04W1C100M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CK45F2GAC103MC CE04W1H010M
Refer to	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4269 951 254 4269 951 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4256 988 254 4256 790 254 4256 790 253 1146 907 254 4256 790 253 1146 907 254 4256 948 254 4252 927 254 4260 948	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 12µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 10µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1H010M CE04W1H010M CK45F2GAC103MO CE04W1H010M CK45F2GAC103MO CE04W1H010M
Refer to	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4254 938 254 4254 938 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4256 948 254 4256 790 254 4256 948 253 8014 702 254 4252 927	Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 12µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 47µF/10V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CE04W1C100M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CK45F2GAC103MC CE04W1H010M

Ref. No.	Part No.	Part Name	Remarks	
C609	254 4254 776	Electrolytic 470μF/16V	CE04W1C471M	
C610,611	254 4252 079	Electrolytic 1000µF/10V	CE04W1A102M	
C701	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J	
C702	254 4261 921	Electrolytic 100µF/50V	CE04W1H101M	- 1
C703	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	
OTHER G	ROUP			Q'ty
		(P.W.Board)	'	1
L501,502	235 0104 007	Inductor tµH		2
L701	235 0060 989	Indictor 120µH		1
RL501	214 0167 005	Relay(G5Z-2A)	Rear	1
⚠ RL351	214 0170 005	Relay(TV-8)	Pri.	
S701~721	212 5604 910			21
e na mandana u zu	202 0040 909		managa a sawat di wak	6 Javangan
\mathbf{A}		AC Outlet(2 P)		
Δ	233 6073 000	Power Trans(Mini)		
A	nie inte and	Fuse 5.3 A(UL) 20 mm.	Fuse Pri.	
⚠ F001	216 1046 001		Fuse Sec.	2
⚠ F003,004	210 1040 021	Fuse 5 A	1 036 060,	S-15
	204 8442 000	4P Pin Jack(C-GND)	Video	1
	205 0592 003	4P Push Terminal	Rear	1
CN4A	205 0343 045	4P Conn. Base(KR-PH)		1
CN11A	204 6469 001	11P PH-SAN Conn. Cord	İ	1
CN12A	204 6470 003	12P PH-SAN Conn. Cord	<u> </u>	1
	205 0075 025	2P Terminal		1
	<u> </u>			<u> </u>

1U-2651B REAR AMP. UNIT ASS'Y (Europe model) [Same as 1U-2651 (for U.S.A. and Canada models) except the followings.]

Ref. No. Part Name Remarks Part No. RESISTORS GROUP 242 0073 000 Garbon Composit 2.2Mohm Delete R557 CAPACITORS GROUP 253 1179 903 | Ceramic 100pF/50V C501.502 Add 253 1179 903 C531,532 Ceramic 100pF/50V Add OTHER GROUP 203 3941:008 AC Outlet (2P) Delete Power Trans (Mini) Change 233 6058 012 ⚠ ♠ F001 ♠ F003,004 Fuse (2.5A) Change " 205 1015 032 Fuse 5A Delete: 216 1046 027 202 0040 909 Fuse Clip (4) Change 205 0692 000 2P Wrapping Terminal Add

1U-2652 SURROUND UNIT ASS'Y (U.S.A. and Canada models)

Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS		
IC001	263 0891 001	IC LA1265(S)	
IC002	263 0439 007	IC LA3401	
IC002	263 0791 907	IC LM7001M	
IC004	216 0064 007	Front End	
10101	263 0672 903	IC BA4558F	ļ
IC102	262 1228 007	1C LC7822	[
IC103	263 0672 903	IC BA4558F	İ
IC201	263 0906 006	IC NJM2177AF	1
IC202	262 1874 008	IC NJU9701G	
IC203	262 1875 900	IC BU40668CF	
IC205	262 1875 900	IC BU4066BCF	
IC261	263 0672 903	IC BA4558F	
1C262	262 0625 009	IC TC9176P	
IC263	263 0672 903	IC BA4558F	
IC264	263 0905 900	IC BA6208F	
TR002	273 0411 909	Transistor 2SC2996-Y	B. W. Dr. Year
TR003,004	269 0114 906	Transistor RN2402	Built in Resistor
TR005	273 0403 904		
TR006	275 0075 901	[Dura to Floritate
TR007,008	269 0066 902	_	Built in Resistor
TR009	269 0085 909		Built in Resistor
TR010	269 0086 908	Transistor DTA114TK	Built in Resistor
TR201	269 0055 900	Transistor DTA144EK	Built in Resistor
TR202,203		Transistor DTC144EK	Built in Resistor
TR205	269 0054 901	Transistor DTC144EK	Built in Resistor
TR206	273 0384 900	Transistor 2SC2412K(S)	
	269 0054 901	Transistor DTC144EK	Built in Resistor
TR210	274 0169 908	Transistor 2SD1292(R)	
D001~003	276 0616 907	Diode 1SS252	
D006	276 0616 907	Diode 1SS252	
D202~205	1	Diode 1SS252	
D261	276 0616 907	Diode 1SS252	
70001	070 0400 000	Zener Diode HZS68-1	6V
ZO 201	276 0462 902	Zetter Diode HZ300-1	01
RESISTO	RS GROUP	(Not included Carbon Fi	lm ±5% 1/4 W Type.
		ic Diagram for those Pa	
		Chip Carbon 1kohm 1/10W	RM73B102J
R001	247 0007 945	· •	RM73B39OJ
P003	247 0004 906	Chip Carbon 39ohm 1/10W : Chip Carbon 1kohm 1/10W	RM738102J
R005	247 0007 945	Chip Carbon 4.7kohm 1/10W	RM73B472J
R007	247 0009 901	Chip Carbon 330ohm 1/10W	RM73B331J
R008 R009	247 0005 989	Chip Carbon 220ohm 1/10W	RM73B221J
R009 R010	247 0005 989	Chip Carbon 1.8kohm 1/10W	RM73B182J
A011	247 0006 902	Chip Carbon 330ohm 1/10W	RM73B33 1 J
HQ11 R014	247 0005 925	Chip Carbon 100ohm 1/10W	RM73B101J
DU 14		Chip Carbon 8.2kohm 1/10W	RM73B822J
	י חים בתתחות לוגלי:		I BALLON. OF ETO
R015	247 0009 969		
R015 R016	247 0008 986	Chip Carbon 3.9kohm 1/10W	RM73B392J
R015 R016 R017	247 0008 986 247 0006 946	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W	RM73B392J RM73B391J
R015 R016 R017 R018	247 0008 986 247 0006 946 247 0005 947	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W	RM73B392J RM73B391J RM73B151J
R015 R016 R017 R018 R019	247 0008 986 247 0006 946 247 0005 947 247 0005 921	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B121J
R015 R016 R017 R018 R019 R020	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W	RM73B39:2J RM73B39:1J RM73B15:1J RM73B12:1J RM73B16:3J
R015 R016 R017 R018 R019 R020 R021	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0005 921	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 120ohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J RM73B121J
R015 R016 R017 R018 R019 R020 R021 R022	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0005 921 247 0010 945	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 18kohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J RM73B121J RM73B183J
R015 R016 R017 R018 R019 R020 R021 R022 R023	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0010 945 247 0010 945 247 0018 905	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 0ohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J RM73B183J RM73B183J RM73B0ROK
R015 R016 R017 R018 R019 R020 R021 R022 R023 R024	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0010 945 247 0018 905 247 0009 943	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 0ohm 1/10W Chip Carbon 6.8kohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J RM73B183J RM73B183J RM73B0ROK RM73B682J
R015 R016 R017 R018 R019 R020 R021 R022 R023 R024 R025,026	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0005 921 247 0010 945 247 0018 905 247 0009 943 247 0009 985	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 0ohm 1/10W Chip Carbon 6.8kohm 1/10W Chip Carbon 10kohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B153J RM73B153J RM73B183J RM73B183J RM73B682J RM73B682J RM73B682J
R015 R016 R017 R018 R019 R020 R021 R022 R023 R024 R025,026 R027	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0010 945 247 0018 905 247 0009 943 247 0009 985 247 0008 960	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 0ohm 1/10W Chip Carbon 6.8kohm 1/10W Chip Carbon 10kohm 1/10W Chip Carbon 10kohm 1/10W Chip Carbon 3.3kohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B153J RM73B153J RM73B183J RM73B682J RM73B682J RM73B682J RM73B682J RM73B682J RM73B332J
R015 R016 R017 R018 R019 R020 R021 R022 R023 R024 R025,026 R027 R028	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0010 945 247 0018 905 247 0009 943 247 0009 985 247 0009 972	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 16kohm 1/10W Chip Carbon 6.8kohm 1/10W Chip Carbon 10kohm 1/10W Chip Carbon 10kohm 1/10W Chip Carbon 3.3kohm 1/10W Chip Carbon 9.1kohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B153J RM73B153J RM73B183J RM73B0ROK RM73B682J RM73B682J RM73B332J RM73B332J RM73B912J
R015 R016 R017 R018 R019 R020 R021 R022 R023 R024 R025,026 R027	247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0010 945 247 0018 905 247 0009 943 247 0009 985 247 0008 960	Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 0ohm 1/10W Chip Carbon 6.8kohm 1/10W Chip Carbon 10kohm 1/10W Chip Carbon 10kohm 1/10W Chip Carbon 3.3kohm 1/10W	RM73B392J RM73B391J RM73B151J RM73B153J RM73B153J RM73B183J RM73B682J RM73B682J RM73B682J RM73B103J RM73B332J

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R030,031	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B-623J	R239,240	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R032	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	R241,242	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
F1033,034	247 0012 943	Chip Carbon 120kohm 1/10W	RM73B124J	R251,252	247 0008 928	Chip Carbon 2.2kohm 1/10W	RM73B222J
R035	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	R253,254	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J
R036	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J	R261,262	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
R037,038	247 0012 927	Chip Carbon 100kohm 1/10W	RM738104J	R263,264	247 0013 900	Chip Carbon 220kohm 1/10W	RM73B224J
R039,040	247 0008 960	Chip Carbon 3,3kohm 1/10W	AM738-332J	R265,266	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
R041,042	247 0009 943	Chip Carbon 6.8kohm 1/10W	RM73B682J	A267,268	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
R043	247 0010 961	Chip Carbon 22kohm 1/10W	RM73B223J	R269,270	247 0005 905	Chip Carbon 100ohm 1/10W	FIM73B101J
R044,045	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	R271	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J
R046	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	R272	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R047	247 0009 985	Chip Carbon 10kohm 1/10W	RM738103J	R273	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
R050	247 0005 906	Chip Carbon 100ohm 1/10W	RM73B101J	R274	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J
F1051,052	247 0012 927	Chip Carbon 100kohm 1/10W	AM73B104J	R275,276	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J RM73B103J
R072	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K	R277,278	247 0009 985	Chip Carbon 10kohm 1/10W	PM73B474J
H080	247 1018 904	Chip Carbon Cohm 1/8W	RM73B2B0R0K	R279	247 0013 984 247 0007 945	Chip Carbon 470kohm 1/10W Chip Carbon 1kohm 1/10W	HM738102J
R082,083	247 1018 904	Chip Carbon Oohm 1/8W	RM73B2B0R0K	R280	247 0007 945	Chip Carbon 5.6kohm 1/10W	RM73B562J
R084	247 0018 905	Chip Carbon Oohm 1/10W	RM73B0R0K	R281	247 0009 927	Chip Carbon 100ohm 1/10W	RM738101J
R085-092	247 1018 904	Chip Carbon Oohm 1/8W	RM73B2B0R0K RM73B2B0R0K	R282	247 0000 900	Carp Carbon 1000mm 6 1044	TUVITOO FOTO
R094	247 1018 904	Chip Carbon John 1/8W		VR261	211 0802 002	Variable Resister 100kohm	ļ i
R096~098	247 1018 904	Chip Carbon Oohm 1/8W	RM73B2B0R0K RM73B391J	VA201	211 0002 002	Vallagie Healatei Tooko:IIII	:
R101,102	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B683J		<u> </u>	<u></u>	<u>i</u>
R103,104	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B154J	CAPACIT	ORS GROUP		
R105,106	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B470J	C001	257 0012 966	Chip Ceramic 0.01μF/50V	ÇK73F1H103Z
R107,108	247 0004 922	Chip Carbon 47ohm 1/10W Chip Carbon 1kohm 1/10W	RM73B102J	C001	257 0002 947	Chip Ceramic 12pF/50V	CC73\$L1H120J
R109,110	247 0007 945 247 0014 909	Chip Carbon 560kohm 1/10W	RM73B564J	C005	254 4254 909	Electrolytic 10µF/16V	CE04W1C100VI
R111,112 R113,114	247 0014 909	Chip Carbon 47kohm 1/10W	RM73B473J	C007,008	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z
R115.116	247 0001 949	Chio Carbon 22ohm 1/10W	RM73B220J	C011	254 3056 917	Electrolytic 1µF/50V	CE04D1H010MBP
R117,118	247 0005 905	Chip Carbon 100ohm 1/10W	RM738101J	""	20,444	(Bipole)	
A119,120	247 0003 984	Chip Carbon 470kohm 1/10W	RM73B474J	C012	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M
R121~132	247 0015 966	Chip Carbon 2.7Mohm 1/10W	RM73B275J	C013	254 4260 906	Electrolytic 0.1 µF/50V	CE04W1H0R1M
R133-144	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J	C014	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R145	247 0014 925	Chip Carbon 680kohm 1/10W	RM73B684J	C016	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J
R151,152	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J	C017,018	257 0012 966	Chip Ceramic 0.01 uF/50V	CK73F1H103Z
R153,154	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B623J	C019	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M
R155,156	247 0013 984	Chip Carbon 470konm 1/10W	RM73B474J	C020	254 4260 948	Electrolytic 1 µ F/50V	CE04W1H010M
R157~160	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C021	254 4260 980	Electrolytic 10µF/50V	CE04W1H100W
R201	247 0009 956	Chip Carbon 7.5kohrn 1/10W	RM73B752J	C022	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R202	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C023	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J
F203	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C024	256 1034 940	Metalized 0.056µF/50V	CF93A1H563J
R204	247 0009 956	Chip Carbon 7,5kohm 1/10W	RM73B752J	C025	254 4254 912	Electrolytic 22µF/16V	CE04W1C220VI
R205	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C027	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
Fl206	247 0010 929	Chip Carbon 15kehm 1/10W	RM73B153J	C028	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
A207	247 0016 923	Chip Carbon 4.7Mohm 1/10W	RM73B475J	C029	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z
Fi208,209	247 0011 960	Chip Carbon 56kohm 1/10W	RM73B563J	C033,034	257 0002 976	Chip Ceramic 16pF/50V	CC73SL1H16iJ
R210	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	C035	256 1034 937	Metalized 0.047µF/50V	CF93A1H473J
R211	247 0019 988	Chip Carbon 100kohm 1/10W	RM73B~104F(±1%)	C036,037	257 0012 966	Chip Ceramic 0.01uF/50V	CK73F1H1032
R212	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C038	254 4254 938	Electrolytic 47µF/16V	CE04W1C470vi
R213	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J	C039	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R214	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B163J	C040	254 4260 948	Electrolytic 1µF/50V	CE04W1H010vi
R215	247 0013 942	Chip Carbon 330kohm 1/10W	RM73B334J	C041	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M
R218~220	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C042	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R221-223	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J	C043	254 4260 919	Electrolytic 0.22µF/50V Electrolytic 1µF/50V	CE04W1HR22M CE04W1H010M
R224	247 0014 967	Chip Carbon 1Mohm 1/10W	RM73B105J	C044	254 4260 948	Chip Ceramic 0.01µF/50V	CK73F1H1032
R225	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C045	257 0012 966	Electrolytic 2.2µF/50V	CE04W1H2R2M
R226	247 0010 945	Chip Carbon 18kohm 1/10W	RM738183J	C046,047	254 4260 951 254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R227	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C048	257 0012 966	· ' '	CK73F1H1032
R228,229	247 0003 936	Chip Carbon 20ohm 1/10W	RM73B-200J	C049	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R24
R230	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J	C051 C052	254 4254 909	· · ·	GE04W1C100V
R231	247 0009 927	Chip Carbon 5.6kohm 1/10W Chip Carbon 18kohm 1/10W	RM73B562J RM73B183J	C052 C053,054	257 0006 972	;	CC73SL1H75U
R232	247 0010 945	Chip Carbon 18kohm 1/10W	RM73B473J	C056,057	257 0000 972	Chip Ceramic 0.01µF/50V	CK73F1H103Z
R233~235 A R236	247 0011 944			C059-061	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
<u>/av.</u> ⊓236 R237	241 2387 949	Chip Carbon 1kohm 1/10W	RM738102J	C063	254 4254 909	Electrolytic 10uF/16V	CE04W1C1004
1123/	247 0007 945	Only Carbon recient server	1111100 1020		251 1207 343		
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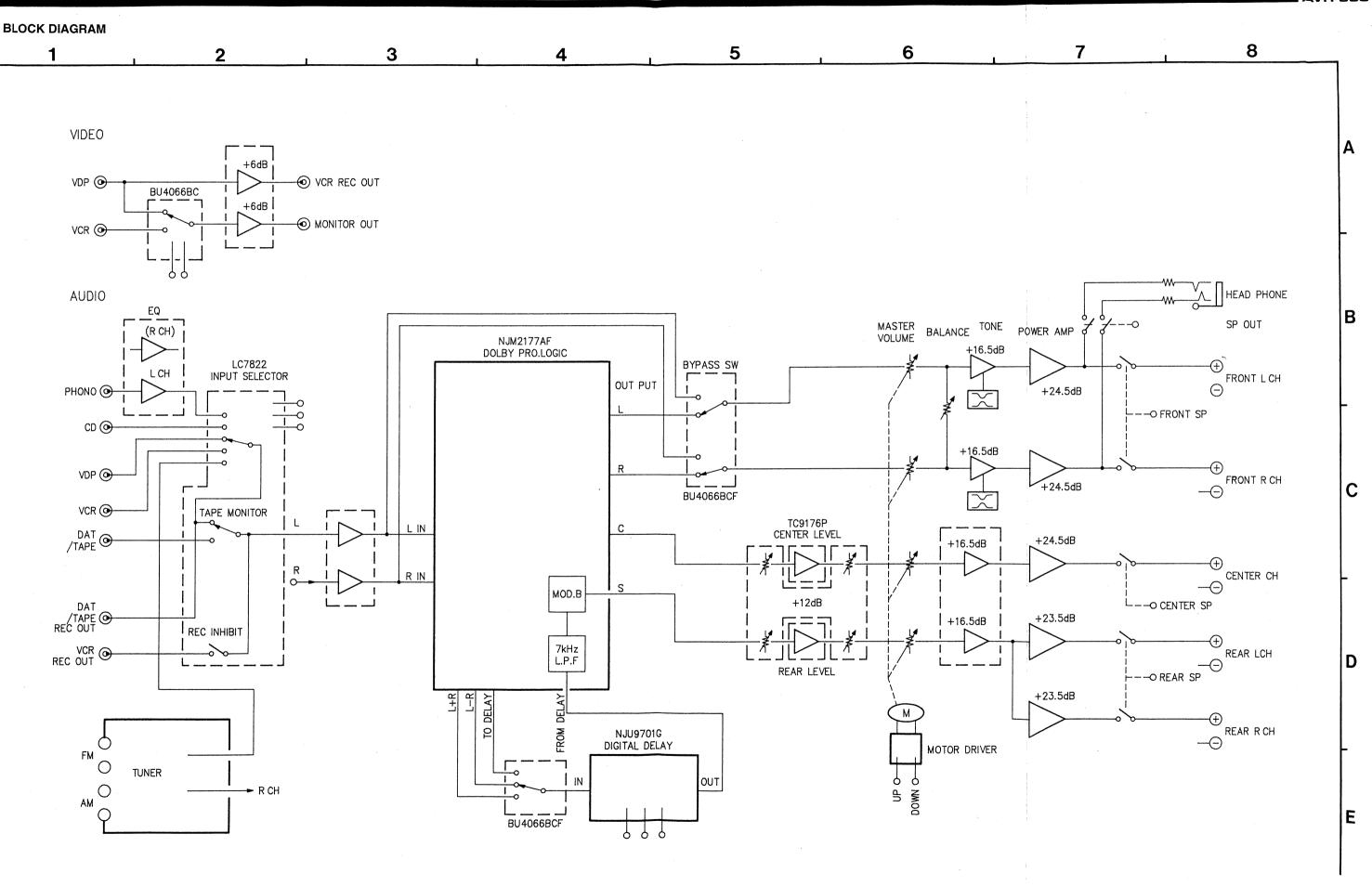
lef. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	_
C065	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C276	254 3056 917	Electrolytic 1µF/50V	CE04D1H010M8P	,
C101,102	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	Ш		(Bipole)		
C103,104	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C277	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	
C105,106	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	C278	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C107,108	254 4254 925	Electrolytic 33µ F/16V	CE04W1G330M	C279	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	
C109,110	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)][
C111,112	257 0009 908	Chip Ceramic 1500pF/50V	CK73B1H152K	OTHER (GROUP	· · · · · · · · · · · · · · · · · · ·		To
C113,114	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z		1			Ť
C115,116	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	H		(P.W.Board)		
C138	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	II				
C136~138	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	CF001	261 0135 907	Ceramic Filter MA8		
C139	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H222K	CF002	261 0136 906	Ceramic Filter MS2G		
C151,152	254 4254 909	Electrolytic 10uF/16V	CE04W1C100M	CF003	261 0031 001	Ceramic Filter BFU450C4		
C153,154	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	CF004	261 0079 005	Ceramic Filter CSB456F11		
C155,156	254 4260 948	Electrolytic 1uF/50V	CE04W1H010M	[] CF005	261 0116 007	Ceramic Filter SFU450B3		
C201,202	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J		225 40 40 400	1-4-4-400		
C203	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J	L201	235 0060 989	Inductor 120µH		
C204	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J	,,,		0		
C205,206	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J	XT001	399 0075 003	Crystal 7.2 MHz	0040 4040 750	
C207	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J	XT201	399 0223 907	Ceramic Resonator	CSA2.00MG-TF01	
C208	256 1034 937	Metalized 0.47u F/50V	CF93A1H474J		004 0000 001		ì	
C209	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	BL001	231 2096 001	MW Ant. Osc.Coil		
C210,211	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M			4445		
C212	254 4252 930	Electrolytic 100μF/10V	CE04W1A101M	T003	231 1138 009	AM IFT		
0213	255 1264 982	Plastic Film 0.0047µF/50V	CQ93M1H472J(B)	T004	231 2085 009	FM Det. Trans		
0214	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	11				
0215	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11	205 0505 003	4P Push Terminal		
0216	256 1035 910	Metalized 0.22μF/50V	CF93A1H224J		204 8313 003	4P Pin Jack(S-GND)		
2217,218	254 4254 909	Electrolytic 10uF/16V	CE04W1C100M	11	204 8346 009	6P Pin Jack(S-GND)	1	
C219	254 4254 941	Electrolytic 100μF/16V	CE04W1C101M				İ	
C220	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)	TP	205 0190 036	3P NH Conn. Base		
C221	254 4250 958	Electrolytic 470µF/6.3V	CE04W0J471M	CN6A	205 0748 064	JL Connector(R)		
C222	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J	CN6B	205 0748 064	JL Connector(R)		
C223	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	CN6C	205 0748 064	JL Connector(R)		
C224	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H222K	CN6D	205 0483 060	6P MQ-ST Conn. Base		
2225	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	CN8A	205 0483 086	8P MQ-ST Conn. Base		
C226	256 1035 978	Metalized 0.68µF/50V	CF93A1H684J	CN9A	205 0483 099	9P MQ-ST Conn. Base		
	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J	CN10A	205 0483 002	10P MQ-ST Conn. Base		
02:30,231	254 4260 977	Electrolytic 4.7µF/50V	CE04W1H4R7M	ÇN12B	205 0483 025	12P MQ-ST Conn. Base		
0232	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J					l
0233~236	256 1034 979	Metalized 0.1μF/50V	CF93A1H104J	11				ļ
0237,238	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(B)	11				į
0239-241	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	11				ì
C242	257 0014 935	Chip Ceramic 0.1 µF/25V	CK73F1E104Z	H			ļ	
243.244	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	[]]		Ì	
245	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	П	;			
246	257 0009 940	Chip Ceramic 3300pF/50V	CK73B1H332K	11				
247	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1E104Z	11				
248,249	257 0013 907	Chip Ceramic 0.047µF/50V	CK73F1H473Z	11				
250	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	П]]			
251	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1E104Z	11				
252	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	-11				
253,254	257 0009 979	Chip Ceramic 5600pF/50V	CK73B1H562K	11]			
255	257 0014 935	Chip Ceramic 0.1 µF/25V	CK73F1E104Z	11	j			i
256	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11				
257	254 4252 930	Electrolytic 100µF/10V	CE04W1A101M	11			ì	
259,260	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	11				
261-264	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M		- -			
265	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J					
266	257 0005 986	Chip Ceramic 330pF/50V	CC73SL1H331J	11	j			1
267,268	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11			1	
269,270	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	11				
271,272	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M					
273	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	H				{
_	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11]]			ŀ
74,2/5	; <u>2</u> 04 4 23 4 303							

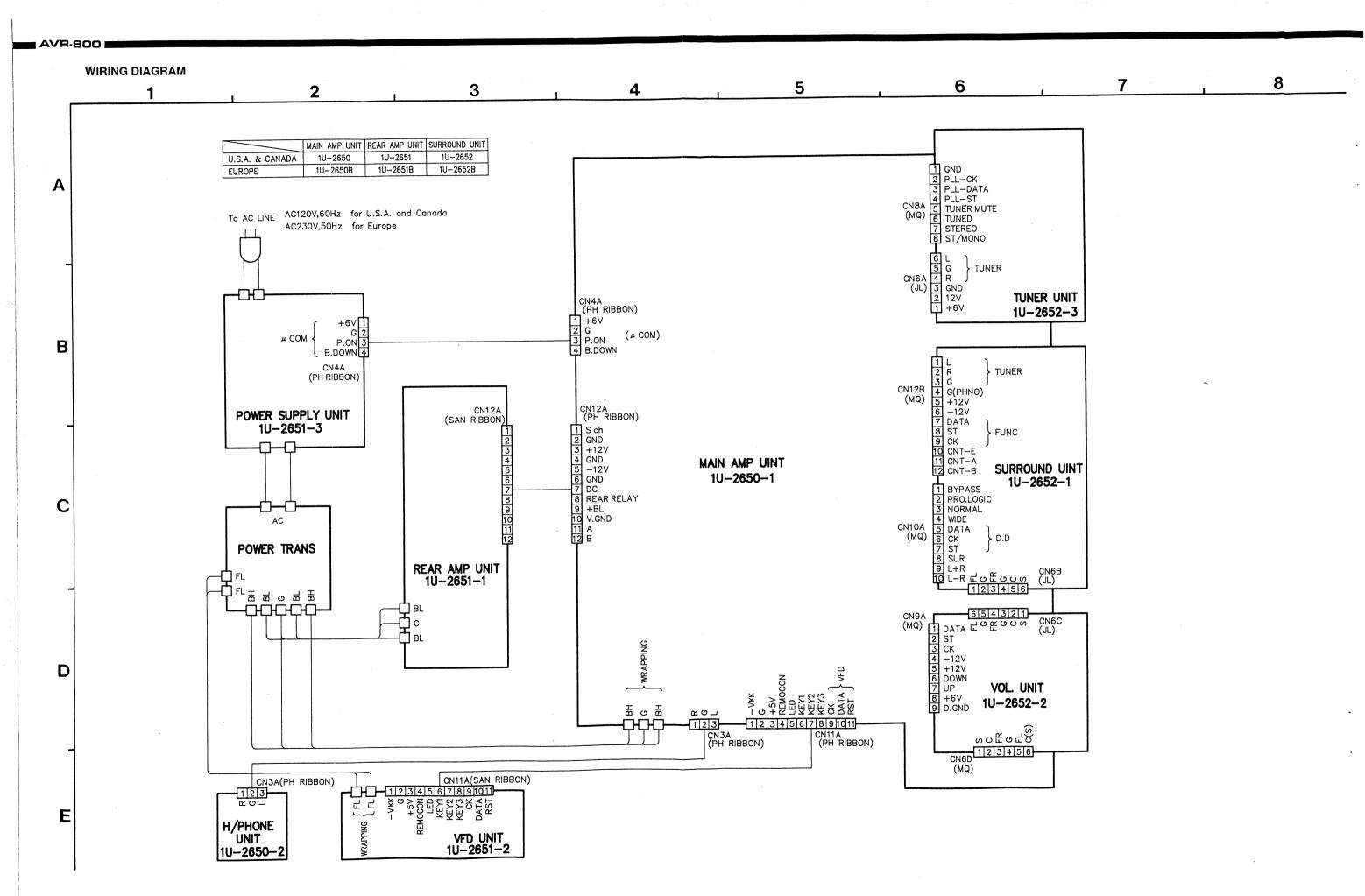
1U-2652B SURROUND UNIT ASS'Y (Europe model)

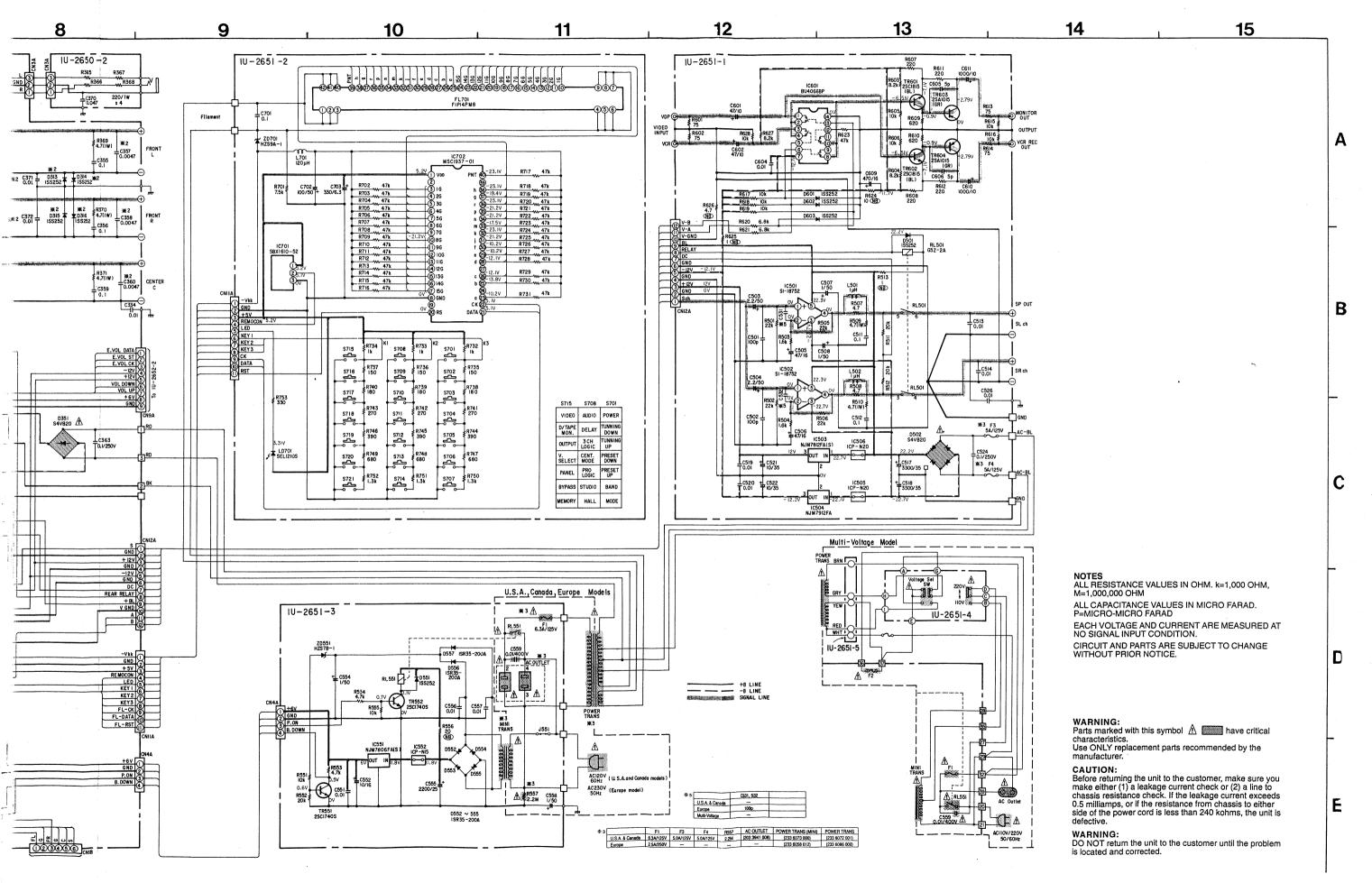
lef. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS			R025,026	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
		IC LA1265(S)		R027	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
IC001	263 0891 001	IC LA3401		R028	247 0009 972	Chip Carbon 9.1kohm 1/10W	RM73B912J
IC002	263 0439 007	IC LM7001M		R029	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B683J
IC003	263 0791 907			R030	247 0011 928	Chip Carbon 39kohm 1/10W	RM73B393J
IC004	216 0065 006	Front End		A031	247 0011 973	Chip Carbon 82kohm 1/10W	RM73B623J
IC101	263 0896 909	NJM2068MD		R032	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
lC102	262 1228 007	IC LC7822		R033,034	247 0012 998	Chip Carbon 200kohm 1/10W	RM73B-204J
IC103	263 0672 903	1C 8A4558F	ļ	R035	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
IC201	263 0906 006	IC NJM2177AF		R036	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
IC202	262 1874 008	IC NJU9701G		R037,038	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
IC203	262 1875 900	IC BU4066BCF		R039~042	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
IC205	262 1875 900	IC BU4066BCF		R043	247 0010 961	Chip Carbon 22kohm 1/10W	RM73B223J
!C261	263 0672 903	IC BA4558F		R044,045	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
:C262	262 0625 009	IC TC9176P		R046	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J
C263	263 0672 903	IC BA4558F	Į	R047	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
IC264	263 0905 900	IC BA6208F		R051,052	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
				R051,032	247 1012 927	Chip Carbon Oohm 1/8W	RM73B2B0R0K
TR001	275 0074 902	FFT 2SK211-Y/GR		II.		Chip Carbon 00hm 1/8W	RM73B2B0R0K
TR002	273 0411 909	Transistor 2SC2996-Y		R079	247 1018 904		
TR003,004	269 0114 906	Transistor RN2402	Built in Resistor	R081	247 1018 904	Chip Carbon Oohm 1/8W	RM73B2B0R0K
TR005	273 0403 904	Transistor 2SC2712-Y/GR		F1083	247 1018 904	Chip Carbon 0ohm 1/8W	PM73B2B0R0K
TR006	275 0075 901	FET 28K209-Y/GR	1	R084	247 0018 905	Chip Carbon 0ohm 1/10W	RM73B0R0K
TR007,008	269 0066 902	Transistor DTC323TK	Built in Resistor	R085-094	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR009	269 0085 909	Transistor DTC144TK	Built in Resistor	R096~098	247 1018 904	Chip Carbon John 1/8W	RM73B2B0R0K
	269 0086 908	Transistor DTA114TK	Built in Resistor	R101,102	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J
TR010	269 0055 900	Transistor DTA144EK	Built in Resistor	R103,104	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B683J
TR201	:	'	1	R105,106	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
	269 0054 901	Transistor DTC144EK	Built in Resistor	R107,108	247 0004 922	Chip Carbon 47ohm 1/10W	RM73B470J
TR205	269 0054 901	Transistor DTC144EK	Built in Resistor	R109,110	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
TR206	273 0384 900	Transistor 2SC2412K(S)		R111,112	247 0014 909	Chip Carbon 560kohm 1/10W	RM73B-564J
	269 0054 901	Transistor DTC144EK	Built in Resistor	H113,114	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J
TH210	274 0169 908	Transistor 2SD1292(R)		R115,116	247 0003 949	Chip Carbon 22ohm 1/10W	RM73B-220J
				R117,118	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
D001-003	276 0616 907	Diode 1SS252		R119,120	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B 474J
D006	276 0616 907	Diode 1SS252		R121-132	247 0015 966	Chip Carbon 2.7Mohm 1/10W	RM73B275J
D202205	276 0616 907	Diode 1SS252		R133~144	247 0013 960	Chip Carbon 470ohm 1/10W	RM73B471J
D261	276 0616 907	Diode 1SS252			1	Chip Carbon 680kohm 1/10W	RM73B-684J
				R145	247 0014 925	'	
ZD201	276 0462 902	Zener Diode HZS6B-1	6V .	R151,152	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
EDES!				R153,154	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B623J
				R155,156	247 0013 984	Chip Carbon 470kohm 1/10W	RM738 474J
	<u> </u>	<u> </u>		R157-160	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
RESISTO	RS GROUP (Not included Carbon Fil	lm ±5% 1/4 W Type	. R201	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J
Refer to t	he Schemati	ic Diagram for those Par	rts.)	R202	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J
		·	1	R203	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B 153J
R001	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	R204	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J
R002	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	R205	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J
R003	247 0004 906	Chip Carbon 39ohm 1/10W	RM73B390J	R206	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J
R004	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	R207	247 0016 923	Chip Carbon 4.7Mohm 1/10W	RM73B475J
R005	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J	R208,209	247 0011 960	Chip Carbon 56kohm 1/10W	RM73B~-563J
R006	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J	R210	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B 104J
R007	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J	R211	247 0019 988	Chip Carbon 100kohm 1/10W	RM73B 104F(±1%
R008	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J	R212	247 0010 929	Chip Carbon 15kohm 1/10W	HM73B 153J
R009	247 0005 989	Chip Carbon 220ohm 1/10W	RM73B221J	R213	247 0010 929	Chip Carbon 8.2kohm 1/10W	RM78B822J
R010	247 0008 902	Chip Carbon 1.8kohm 1/10W	RM738182J	EI	247 0009 969	Chip Carbon 15kohm 1/10W	RM73B 153J
R011	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J	R214		1 -	RM73B 334J
R014	247 0006 920	Chip Carbon 100ohm 1/10W	RM73B101J	R215	247 0013 942	Chip Carbon 330kohm 1/10W	
	247 0003 903	Chip Carbon 8.2kohm 1/10W	RM73B822J	R218~220	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B 473J
R015		Chip Carbon 3.9kohm 1/10W	RM73B392J	R221-223	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM7)B822J
R016	247 0008 986	; ·	1	R224	247 0014 967	Chip Carbon 1Mohm 1/10W	RM7)B105J
R017	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J	R225	247 0010 929	Chip Carbon 15kohm 1/10W	RM7)B153J
R018	247 0005 947	Chip Carbon 150ohm 1/10W	RM738151J	R226	247 0010 945	Chip Carbon 18kohm 1/10W	RM7/B183J
R019	247 0005 921	Chip Carbon 120ohm 1/10W	RM73B121J	R227	247 0010 929	Chip Carbon 15kohm 1/10W	RM7)B~-153J
R020	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	R228.229	247 0003 936	Chip Carbon 20ohm 1/10W	RM7;B200J
R021	247 0005 921	Chip Carbon 120ohm 1/10W	RM73B121J	R230	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM7;B752J
R022	247 0011 928	Chip Carbon 39kohm 1/10W	RM73B393J	R231	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM7;B562J
	247 0007 961	Chip Carbon 1.2kohm 1/10W	RM73B122J	R232	247 0010 945	Chip Carbon 18kohm 1/10W	RM7(B183J
R023	E41 0001 001						
R023 R024	247 0009 943	Chip Carbon 6.8kohm 1/10W	RM73B682J				

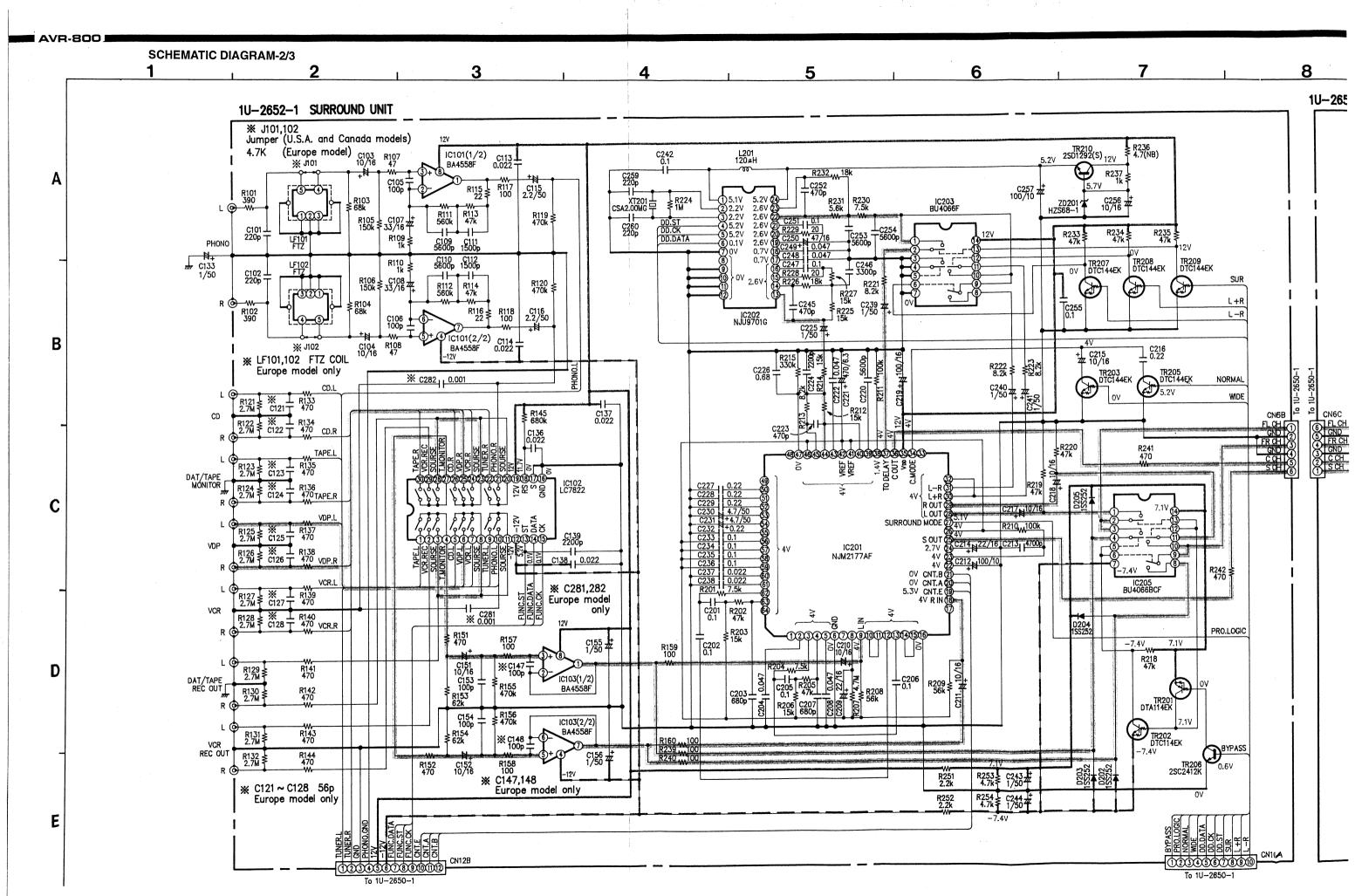
mar N.	David N.	Part Name	Remarks	
Ref. No.	Part No.			
C269,270	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	- 1
C271,272	254 4254 909	Electrolytic 10μF/16V	CE04W1C100M	
C273	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	
C274,275	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	l
C276	254 3056 917	Electrolytic 1µF/50V (Bipole)	CE04D1H010MBP	ŀ
C277	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	
C278	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	1
C279	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	
C281,282	255 1264 908	Plastic Film 0.001µF/50V	CQ93M1H102J	
				Q'ty
OTHER G	ROUP			
	_	(P.W,Board)		1
CF001,002	261 0064 007	Ceramic Filter SFT10.7MS2	ļ	2
1	261 0004 001	Ceramic Filter BFU450C4		1
CF003	261 0031 001	Ceramic Filter CSB456F11		1
CF004	261 0019 003	Ceramic Filter SFU450B3		1
CF005	2010110007	Geranic Finor Cr C 444		
1.201	235 0060 989	Inductor 120µH	ļ	1
VTDA	399 0075 003	Crystal 7.2 MHz		1
XTG01	399 0075 003	Ceramic Resonator	CSA2.00MG-TF01	1
XT201	399 0223 907	Celanic Resoriator		
BL001	231 2096 001	MW Ant. Osc. Coil		1
T	004 44 00 000	AM JET		i
T003	231 1138 009			1
T004	231 2085 009	FM Del. Halls		`
LFC01	232 0159 008	Anti Birdie Filter	l .	1
LF002,003		1		1
L '		1		. 2
LF:01,102	233 9003 002	F12 GIIGNG ODII	ļ	
1	204 8313 003	4P Pin Jack(S-GND)	1	2
	204 8346 009	1		1
	205 0776 007			1
	1			1
TP	205 0190 036	3P NH Conn. Base	Ì	1
CN6A	205 0748 064			1
CN6B	205 0748 064			1
CN6C	205 0748 064		ļ	1
CN6D	205 0483 060	1		1
CNBA	205 0483 086	1	-	1
CN9A	205 0483 099	1 '		2
1	205 0483 002	_ · · · · ·		1
CN10A	205 0483 025			1
CN12B	205 0465 025	IZI WEST SEMIN SUSS		
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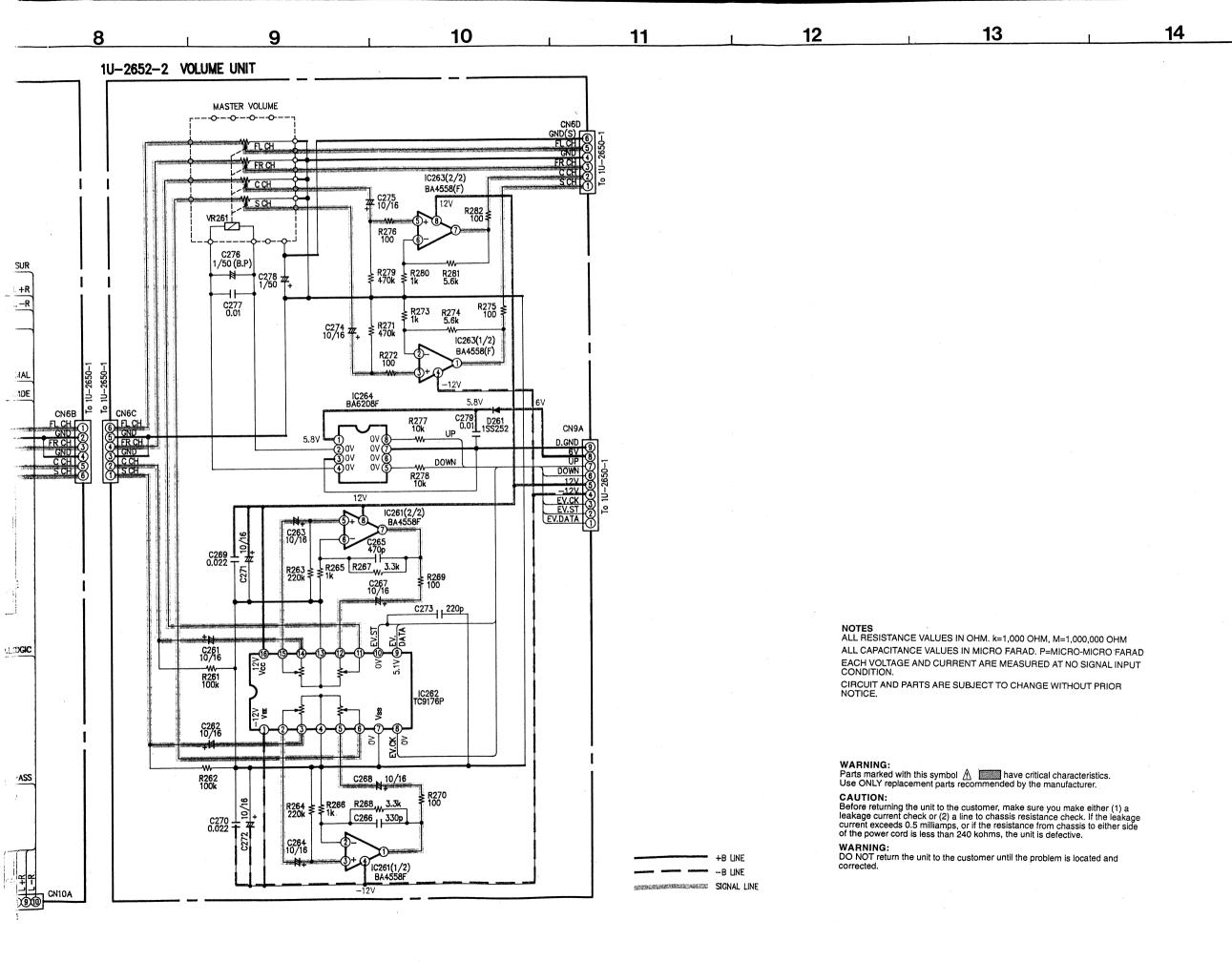
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R233~235	247 0011 944	Chip Carbon 47kohm 1/10W	PM73B473J	C059-061	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z
	241 2387 940	Carbon Film 4.7ohm 1/4 W(NB)	HD14B2E4R7JNBS	C063	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
R237	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	C065	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z
FI239,240	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C101,102	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J
R241,242	247 0006 962	Chip Carbon 470chm 1/10W	RM73B471J	C103,104	254 4254 909	Electrolytic 10μF/16V	CE04W1C100M
R251,252	247 0008 928	Chip Carbon 2.2kohm 1/10W	RM73B222J	C105,106	257 0004 961	Chip Ceramic 100pF/50V	CC73\$L1H101J
P253,254	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J	C107,108	254 4254 925	Electrolytic 33µF/16V	CE04W1C330M
R261,262	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	C109,110	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)
R263,264	247 0013 900	Chip Carbon 220kohm 1/10W	RM73B224J	C111,112	257 0009 908	Chip Ceramic 1500pF/50V	CK73B1H162K
R265,266	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	C113,114	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R267,268	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J	C115,116	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M
R269,270	247 0005 905	Chip Carbon 100ohm 1/10W	AM73B101J	C121~128	257 0004 903	Chip Ceramic 56pF/50V	CC73SL1H560J
R271	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J	C133	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R272	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C136-138	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Ž
R273	247 0007 945	Chip Carbon 1kehm 1/10W	RM73B102J	C139	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H222K
R274	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	C147,148	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J CE04W1C100M
R 275,276	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C151,152	254 4254 909	Electrolytic 10µF/16V Chip Ceramic 100pF/50V	CC73SL1H101J
R277,278	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	C153,154	257 0004 961	Electrolytic 1µF/50V	CE04W1H010M
R279	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J	C155,156	254 4260 948	Metalized 0.1 u.F/50V	CF93A1H1O4J
R280	247 0007 945	Chip Carbon 1 kohm 1/10W	RM73B102J	C201,202	256 1034 979		CC73SL1H681J
R281	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM738562J	C203	257 0006 969	Chip Ceramic 680pF/50V Metalized 0.47uF/50V	CF93A1H474J
H282	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C204	256 1034 937	i Metalized 0.47μF/50V i Metalized 0.1μF/50V	CF93A1H1O4J
		M. 2. N. 6 1 4001 - 2		C205,206 C207	256 1034 979 257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J
VR261	211 0802 002	Variable Resister 100kohm		1	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J
L	<u> </u>			C208 C209	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M
CAPACIT	ORS GROUP	•		C210.211	254 4254 909	Electrolytic 10uF/16V	CE04W101 00M
		Chip Ceramic 0.01µF/50V	CK73F1H103Z	Q210.211 Q212	254 4252 930	Electrolytic 100μF/10V	CE04W1A1 01M
C001,002	257 0012 966	Chip Ceramic 12pF/50V	CC73SL1H120J	G213	255 1264 982	Plastic Film 0.0047µF/50V	CQ93M1H472J(B)
C004	257 0002 947	Electrolytic 10µF/16V	CE04W1C100M	C214	254 4254 912	Electrolytic 22µF/16V	CE04W10220M
C005	254 4254 909 257 0012 966	Chip Ceramic 0.01 uF/50V	CK73F1H103Z	C215	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C006~008	254 3056 917	Electrolytic 1µF/50V	CE04D1H010MBP	C216	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J
C011	204 3000 911	(Bipole)	OLO4D INTO IONIDI	C217,218	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C012	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	C219	254 4254 941	Electrolytic 100µF/16V	CE04W101 01M
C012	254 4260 906	Electrolytic 0.1 µF/50V	CE04W1H0R1M	C220	255 1264 995	Piastic Film 0.0056µF/50V	CQ93M1H562J(B)
C013	257 0012 982	Chip Ceramic 0.022uF/50V	CK73F1H223Z	C221	254 4250 958	Electrolytic 470µF/6.3V	CE04W0J471M
C014 C016	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	C222	256 1034 937	Metalized 0.47µF/50V	CF93A1:474J
C017,018	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C223	257 0006 927	Chip Ceramic 470pF/50V	CC73SL H471J
C019	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M	C224	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H2/22K
C020	254 4260 948	Electrolytic 1 µ F/50V	CE04W1H010M	C225	254 4260 948	Electrolytic 1 uF/50V	CE04W1∺O10M
C021	254 4260 980	Electrolytic 10μF/50V	CE04W1H100M	G226	256 1035 978	Metalized 0.68µF/50V	CF93A14684J
C022	257 0012 982	Chip Ceramic 0.022uF/50V	CK73F1H223Z	C227-229	256 1035 910	Metalized 0.22uF/50V	CF93A11224J
C024	256 1034 940	Metalized 0.056uF/50V	CF93A1H563J	C230,231	254 4260 977	Electrolytic 4.7µF/50V	CE04W1H4 R7M
C025,026	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	C232	256 1035 910	Metalized 0.22µF/50V	CF93A11224J
C027	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C233-236	256 1034 979	Metalized 0.1µF/50V	CF93A111O4J
C028	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C237,238	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(8)
C029	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C239-241	254 4260 948	Electrolytic 1µF/50V	CE04W1HO 10M
C033,034	257 0002 976	Chip Ceramic 16pF/50V	CC73SL1H160J	C242	257 0014 935	Chip Ceramic 0.1 uF/25V	CK73F151O4Z
C035	256 1034 937	Metalized 0.047µF/50V	CF93A1H473J	C243,244	254 4260 948	Electrolytic 1µF/50V	CE04W1HO 10M
C036,037	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C245	257 0006 927	Chip Ceramic 470pF/50V	CC73SLIH471J
C038	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	C246	257 0009 940	Chip Ceramic 3300pF/50V	CK73B1H3:32K
CD39	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C247	257 0014 935		CK73F1:104Z
CQ40	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C248,249	257 0013 907	Chip Ceramic 0.047µF/50V	CK73F144 Z 3Z
C041	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	C250	254 4254 938	Electrolytic 47µF/16V	CE04W1C4_70M
C042	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C251	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1:1CJ4Z
C043	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M	C252	257 0006 927	Chip Ceramic 470pF/50V	CC73\$LIH471J
C044	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C253,254	257 0009 979	Chip Ceramic 5600pF/50V	CK73B1ll5@2K
C045	257 0012 966	Chip Ceramic 0.01 uF/50V	CK73F1H103Z	C255	257 0014 935 254 4254 909	Chip Ceramic 0.1 µF/25V Electrolytic 10 µF/16V	CK73F1(1C)4Z CE04W101 00M
C046,047	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	C256	1	Electrolytic 100µF/10V	CE04W1A1 OIM
C048	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C257	254 4252 930 257 0005 944		CC73SLH221J
C049	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C259,260	257 0005 944	Electrolytic 10 F/16V	CE04W101 00M
C051	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	C261~264	254 4254 909	Chip Ceramic 470pF/50V	CC73SLH471J
C052	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M CC73SL1H331J	C265 C266	257 0005 927	1 '	CC73SLH:331J
C053,054	257 0005 986	Chip Ceramic 330pF/50V Chip Ceramic 0.01µF/50V	CK73F1H103Z	C267,268	254 4254 909	Electrolytic 10µF/16V	CE04With 00M
C056.057	257 0012 966	Cuih ceranic ara truson	OKTOL HT1002	0207.200	2017207 303		
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L		I		<u> </u>	<u></u>	<u> </u>	



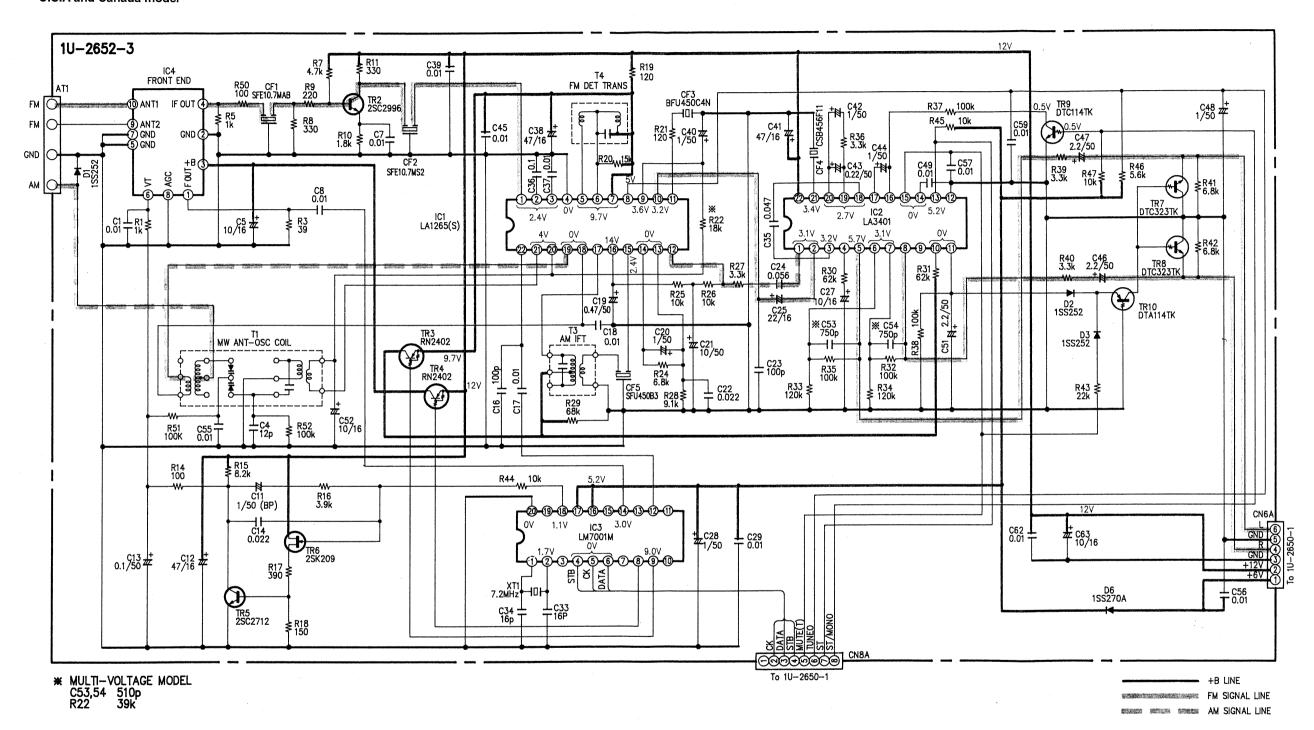








U.S.A and Canada model



WARNING:
Parts marked with this symbol have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 240 kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and

15 10 12 13 14 11 Europe model TR1 2SK211 10-2652-3 R6 R7 330 4.7k ≥ (\mathbf{F}) IC4 FRONT END T4 FM DET TRANS Α CF3 BFU450C4N R37_W100k .5V TR9 DTC114TK ANT2 C7_ 0.01_ CF2 SFT10.7MS2 IC1 LA1265(S) R40 C46 3.3k 2.2/50 В C27 10/16 4 R26 10k R25 10k D2 1SS252 C25 2+ 7 22/16 27 LF1 TR10 DTA114TK D3 🛧 TR3 RN2402 ☐ CF5 6.8k SFU450B3 R28 9.1k R35 150k R34 ≱ 200k R43 ≱ 22k 1 LF1 ANTI BIRDIE FILTER C52 10/16 ₹ R52 ₹ 100k C C11 1/50 (BP) R16 3.9k IC3 3.0V LM7001M 0V 1.1V C28 C29 0.1/50 # 47/16 # D6 1SS270A TR5 2SC2712 D +B LINE FM SIGNAL LINE AM SIGNAL LINE

NOTES
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

E

EXPLODED VIEW PARTS LIST

F	ef. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
•	1	Note	Main Amp. Unit Ass'y		1 ^S	58	205 0071 016	Terminal Ass'y		1
1 :	_ 1-1		Main Amp. Unit		(1)	59	477 0018 001	Washer (P-87)		1
14	-1-2		Headphone Unit		(1)	60	143 0867 003	Window		1
Ì	2	254 4349 717	Chemicon 5600µF/56V	C353,354	2	61				
	3	211 0798 103	Variable Resistor 100kohm	Balance(VR451)	1	62				
	4	211 0797 117	Variable Resistor 30kohm	Bass (VR452)	1	63		:		
	5	211 0797 104	Variable Resistor 5kohm	Treble (VR453)	1	<u></u>	L			1
1	6	214 9003 005	Relay Relay(G5Z-2A)	RL481 RL480,501	1 2	SCREV	vs			
	7 8	214 0167 005 214 0162 000	Relay(G52-2A)	RL480,501	1	81	Note	Tapping Screw(S)3×8	Black	16
	9	204 8354 004	Headphone Jack	NETOE		82	473 7015 018	Tapping Screw(S)3×8	Black	7
	10	205 0846 005	6P Push Terminal		1	83	473 8007 009	Cup Screw 3×12		12
•	11	Note	Rear Amp. Unit Ass'y		18	84	473 7501 001	Tapping Screw(P)3×10		19
	⊢11-1	_	Rear Amp. Unit		(1)	85	Note	Earth Screw		2
1	11-2	_	VFD Unit		(1)	86	477 0064 107	Fixing Screw	DI 1	10
	L-11-3	_	Power Supply Unit	0555	(1)	87	473 7004 029	Tapping Screw(S)4×10 3P Swelling Screw	Black	4
	12	254 4256 790	Chemicon 2200µF/25V	C555 C517,518	1 2	88 89	477 0263 005 475 6124 003	Nut M 12		1
	13	254 4259 713	Chemicon 3300µF/35V FLD(FIP14PM8) Ass'y	FL701	1	90	475 2003 034	Spring Wahser ϕ 3	BKNI	1
Á	14 15	393 4131 000 214 0170 005	Relay(TV-8)	RL551	1-3			-ba 1.		
滋	16	Note	Fuse A	F001	. (1	PA OZZ	NG & ACCES	CODIEC		l
滋		Nôte ***	Fuse A	F003,004	2	PACKI	· · · · · · · · · · · · · · · · · · ·	T	T	Т
100000	18	204 8442 000	4P Pin Jack(S-GND)		1 1	101	504 0162 000	Stylen Paper	for AC cord	1
1250200	19	205 0592 003	4P Push Terminal	100000000000000000000000000000000000000	1	102	504 0162 013	Stylen Paper Poly Cover	for Set	1 1
<u>∧</u>	20	Note	AC Outlet(2P)		14.	103 104	505 0272 003 503 1113 204	Cushion		2
Δ	21	Note	Power Trans(Mini) Surround Unit Ass'y		1S	104	GEN 2599	Envelope Sub Ass'y		18
TÎ.	22 22-1	Note	Surround Unit		(1)	_ 105-1	505 8006 019	Envelope		(1)
	22-1	_	Volume Unit		(1)	105-2	Note	Inst. Manual		(1)
	22-3	_	Tuner Unit		(1)	105-3	399 0221 006	Remote Control	RC-169	(1)
	23	Note	Front End	IC004	1	105-4	·	Battery		(1)
	24	211 0802 002	Variable Resistor 100kohm	VR261	1	105-5	231 0922 009	Loop Antenna		(1)
	25	204 8313 003	4P Pin Jack(S-GND)		2	105-6	Note	FM Ant. Ass'y		(1)
	26	204 8346 009	6P Pin Jack(S-GND)		1 1	105-7	Note Note	DAI Warranty Home DCI Warranty Home		(1)
	27	Note 411 1267 301	Ant. Terminal Main Chassis		1	106	501 1738 007	Carton Case		1
•	28 29	411 1267 301	Center Bracket		;	107	Note	CSA Label		1
	30	104 0194 108	Foot Ass'y		4	108				
•	31	Note	Rear Panel		1					
	32	417 0492 104	Power Radiator		1					
1	33	415 0234 007	Insulating Sheet		6					
1	34	271 0237 006	Transistor 2SA1490(O/P/Y)(Z)	TR321,322,411	3					
	35	273 0386 005	Transistor 2SC3854(O/P/Y)(Z)	TR317,318,410	3				ļ.	
••	36 37	412 3766 007 412 3767 006	L Bracket P.W.B Bracket		2					
•	38	412 3470 102	Spring Plate		1					
•	39	412 3752 008	Radiator Bracket		1					
55869	40	<u> </u>			S Strong Season					'
À	41	Note	AC Cord with plug	TO PROPER YOURSESSES	1					
⚠	A STATE OF THE PARTY OF THE PAR	445 0056 008	Cord Bush Card Spacer(L=12)	. Avi	4			i i		1
	43 44	Note 146 1465 649	Inner Panel		1					
	45	113 1636 106	Push Knob(P)		1					
	46	113 1637 008	Push Knob		1			1		
	47	113 1638 104	Function Knob		2					
	48	113 1639 006	Pre-set Knob		1					
42 NEV	49	113 1640 105	Tact Knob		1					
Δ		Note	Power Trans		1			+		
	51	144 2321 139	Front Panel		1 1			1		
	52 52	112 0737 003 112 0739 001	Volume Knob Knob(Round)		3	11				
	53 54	102 0543 009	Top Cover		1 1					
	5 4 55	Note	Caution Label(A)		1					
	56	Note	Caution Label(B)		1					
	57	462 0094 007	Screw Tube		1					
							4			
L						<u> </u>				<u> </u>

ADDENDUM PARTS LIST

			Part No.					
Ref. No.	Part Name	Q'ty	U.S.A. model	CANADA model	EUROPE model			
• 1	Main Uuit Ass'y	18	1U-2650	1U-2650	1U-2650 B			
11	Rear Amp. Unit Ass'y	18	1U-2651	1U-2651	1U-2651 B			
<u>∱</u> 16	Fuse A(F001)		206 1046 001	206-1046-001	206 1015 032			
			6.3A UL20mm		2,5A			
<u> 1</u> 7	Fuse A(F003,004)	2	206 1046 027	206 1046 027				
			5 A	5 A	. 155			
<u>/</u> ∱ 20 -	AC Outlet(2P)	1.1	203 3941 008	203 3941 008	· - :			
∧ 21	Power Trans(Mini)	1	233 6073 000	233 6073 000	233 6058 012			
• 22	Surround Unit Ass'y	18	1U-2652	1U-2652	1U-2652 B			
23	Front End(IC104)	1	216 0064 007	216 0064 007	216 0065 006			
27	Ant. Terminal	1	205 0505 003	205 0505 003	205 0776 007			
			4P Push	4P Push	3P Ant.(PAL)			
31	Rear Panel	1	105 1100 301	105 1100 301	105 1100 314			
<u></u>	AC Cord with plug		206 2050 009	206 2050 009	206 2063 009			
43	Card Spacer(L=12)		412 2814 057	412 2814 057	412 2814 057			
			(3)	(3)	(4)			
<u>∧</u> 50	Power Trans	1	233 6072 001	233 6072 001	233 6086 000			
55	Caution Label(A)	1	513 2209 004	513 2209 004				
56	Caution Label(B)	1	513 2210 006	513 2210 006	-			
SCREW	/S			1	l			
81	Tapping Screw(S) 3×8		473 7002 018	473 7002 018	473 7002 018			
	,,,,,,		(15)	(15)	(16)			
85	Earth Screw		477 0276 018	477 0276 018	477 0276 018			
•	Zarar Goron		(2)	(2)	(1)			
			(-/	(-)	(1)			
PACKIN	IG & ACCESSORIES (N	ot includ	ed EXPLODE	D VIEW.)				
105-2	Inst. Manual	1	511 2550 003	511 2550 003	511 2589 003			
		1	_	511 2577 002	_			
105-6	FM Ant. Ass'y	1	395 0019 025	395 0019 025	395 0021 000			
105-7	DAI Warranty Home	1	515 0623 109	_	_			
	DCI Warranty Home	1		515 0627 105	_			
106	CSA Label	1	_	LL-6559 2	-			

NOTE FOR PARTS LIST

- Part indicated with the mark " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.

WARNING:

Parts marked with this symbol \triangle where critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

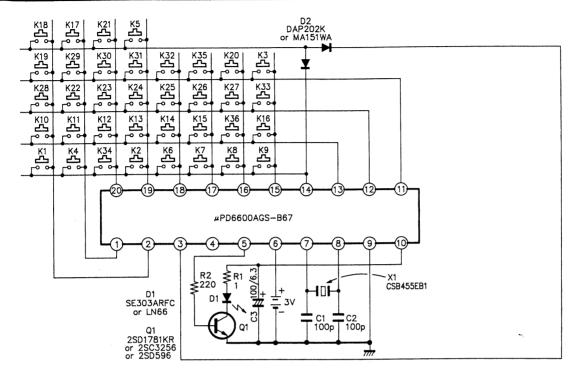
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В

REMOTE CONTROL (RC-169)

SCHEMATIC DIAGRAM

4 3



SPECIFICATIONS

1. When each Key is pressed double transmission is not performed. When one side is released from double pressed state, tramsdmit code on unreleased side.

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

REMOTE CONTROL UNIT ASS'Y

PARTS LIST OF EXPLODED VIEW

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
SEMICO	NDUCTORS (GROUP			1	_	Case Top Ass'y		1
IC1 Q1 or or or D1 or D2 or	- μPD6600AGSB67 - Transistor 2SD1781KR Transistor 2SC3256 Transistor 2SD596 - LED SE303ARF-C - LED LN66 276 0559 909 276 0438 907 Diode MA151WA		μ-Com Infrared Infrared		2 3 4 5 6 7 8 9 10	- - - - - - - -	Panel Switch Rubber Case Bottom Ass'y Cover Battery Tapping Screw Filter Spring Coil Spring Coil Poly Cover P.W.B. Unit Ass'y		1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	RS GROUP	Didde Harrier W.		J					
R1 R2	241 2407 901 241 2397 901	Carbon Resistor 1ohm, 1/4W Carbon Resistor 220ohm 1/4W	RD14B2E010J RD14B2E221J						
CAPACIT	ORS GROU	•	•						
C1,02 C3	257 0004 961 254 4213 034	Chip Ceramic 100pF/50V Electrolytic 100µF/6.3V	CC73SL1H101J CE04W0J101M						
OTHER C	ROUP								
X1	=	(P.W. Board) Ceramic Resonator	CSB455EB	(1)					

CORDS TABLE

KEY		Syste	em add	ress				Custor	n code			Exter		Mask	Judgment	Remarks
No.	C1	C2	СЗ	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	K	151 111 (551)
K1	0	0	1	0	0	1	1	1	0	1	. 0	1	0	0	0	■ PLAY (REV)
K2				1	0	0		1	1	1	Ö	1	0	0	0	PLAY ▶
K3		···i		0	0		1 1	1	0	1	1	1	1	0	0	CENTER ▼
K4	0	····		0	0	0	0	1	1	1	0	1	0	0	0	PLAY ▶
K5			1	0	0	1	1	0	0	1	0	1	Ö	Ö	0	A/B
K6.			1	0	0		1	1	1 1 1	1	0	1	0	0	0	■ STOP
K7	0	0	0	1	0	1	. 1	0	1	0	1	1	0	0	0	DISC SKIP
. K8				1	0		1	1	1	1	0	1	0	0	0	■ STOP
K9			···• j····	· · · · · ·	0	0	1		1	1	0	1	0	0	0	FF▶
K10				1	0	1	· · · · · · · · · · · · · · · · · · ·	0	1 1	1 1	0	1	0	0	0	K
K11				···÷··		0			1 1 1	1	0	1	0	0	0	>>
K12		ĭ		0		1	0	1 1 1		0	0	1 1	1	0	0	TUNER
K12	0	 	0	0	0	1	0	1	1	0	0	1	1	0	0	VCR
K14		∤···¦···			<u>o</u>	· · · · · ·	1	0	1	0	0	1	1	0	0	VDP/DBS
K15			0			·ö	1	0	0	1	0	1 1	1	0	0	DAT/TAPE MONITOR
K15	ļ	11	0		g	1,	1	0	0	0	o	1 1	1	0	0	PHONO
K10		····.	1		1	 ···· ···	1	ö	1	1	0	11	0	0	0	∢ REW
K17		-		} .		0	···i···	· · · · · · · · · · · · · · · · · · ·	· · · · ·	1		1 1 1	1	0	0	PRESET A
	0	0	1	1	1 0	1	0	1	0	+ 1	0	1	1	0	0	PRESET ▼
K19 K20		11	· · ·			···	1	· · · · · · ·	0	1 1 1	11	11	1	0	0	MASTER VOL.
		····			1		0	1	· · · · · · ·	1	11	1	1	0	0	REAR ▼
K21 K22		···				1	· · · · · · ·		∱… <u>†</u> …	0	11	1 1	1	0	0	DELAY A
K23							†···•j···		+	0	11	1 1	1	0	0	T. TONE
K23		-				1	i··	1	· · · · o	· · · · · · ·	11	1 1	1 1	0	Q	SURR. MODE
	0		0	0	0	0	0	0	1	0	1	1	1	0	0	DELAY ▼
K25	0	1	1	· · · ŭ · ·		1			1-1		11	0	1 1	0	0	MEMORY
K26				· ·;	· · · · · ·		1		1	0	1		1 1	0	0	1
K27	1		-1	· · · : · ·			····	· · · · · · ·	· · · · · · ·	· · · · ö · ·	1	1 1	1 1	0	0	BYPASS
K28	0	1	0			····		· · · · · · · · ·		· · · • • · ·	1	1	1 1	0	0	MUTING
K29	0		0			····	10	1.1.		· · · · · ·	· · · · · · ·	11	1	0		CENTER A
K30	0	1 1	0		0	+ +	1	0	1 0	+	1	+ 1	+ 1	0	0	REAR ▲
K31	0		0	0		·				· ··-; ··	· · · · · ·	+…;…	1			MASTER VOL.
K32		1.1.	0	0	0	· · · · ¦ · ·	1	· · · · · · · · ·			· · · · · ·	0	+ - 1 -			2
K33	0	0	1		0		····	+	+	· · · · ĭ · ·	· ····; ··	· · · · • · ·	· · · · · · · · · · · ·			PAUSE
K34		Ö	0	1	0		1	+				·	†…į́…			POWER
K35		1	0	0	00		1	+4		.			·			CD
K36	0	1	0	0	U	0		<u> </u>					<u> </u>			

NOTE FOR PARTS LIST

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- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- \bullet Part indicated with the mark " \star " is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/6W, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

Parts marked with this symbol \triangle have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.